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BIENNIAL REPORT

OF THE

North Carolina Sanatorium

SANATORIUM, N. C.

FOR THE TWO YEARS ENDED JUNE 30, 1934

PERSONNEL

BOARD OF DIRECTORS

DR. T. W. M. LONG, *Chairman*	Roanoke Rapids
MR. U. L. SPENCE, *Vice-Chairman*	Carthage
MR. W. E. HARRISON, *Secretary*	Rickingham
DR. D. R. PERRY	Durham
MR. W. R. WILLIAMS	Sanford
MR. JONAS OETTINGER	Wilson
MR. STAHLE LINN	Salisbury
MRS. MAX T. PAYNE	Greensboro
MR. J. R. MCQUEEN	Aberdeen

P. P. MCCAIN, M. D.	Superintendent and Medical Director
S. M. BITTINGER, M. D.	Assistant Supt. and Assoc. Med. Director
J. H. WILLIAMS, M. D.	Assistant Physician
C. G. MILHAM, M. D.	Assistant Physician
ALBAN PAPINEAU, M. D.	Assistant Physician
MARTHA C. NEWMAN, R. N.	Superintendent of Nurses
MISS EFFIE WOODYE, R. N.	Assistant Superintendent of Nurses
W. L. WOODARD, D. D. S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Cashier and Purchasing Officer
J. B. WOMBLE	Steward
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R. N.	Superintendent of Nurses, Colored Division

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M. D.	Director
H. F. EASOM, M. D.	Clinic Physician
C. D. THOMAS, M. D.	Clinic Physician
W. F. THORNTON, M. D.	Clinic Physician

CONSULTING STAFF

DR. O. L. MILLER, *Orthopedic Surgeon*	Charlotte
DR. JULIAN A. MOORE, *Surgery*	Asheville
DR. J. D. HIGHSMITH, *Surgery*	Fayetteville
DR. C. R. MONROE, *Surgery*	Pinehurst
DR. DERYL HART, *Surgery*, Duke Hospital	Durham
DR. JAMES M. LILLY, *Eye, Ear, Nose and Throat*	Fayetteville
DR. WM. S. JORDAN, *Eye, Ear, Nose and Throat*	Fayetteville
DR. W. P. MCKAY, *Eye, Ear, Nose and Throat*	Fayetteville
DR. J. B. GREENE, *Laryngologist*	Asheville
DR. JAMES B. BULLITT, *Pathology*	Chapel Hill
DR. WM. DEB. MACNIDER, *Pharmacology*	Chapel Hill

LETTER OF TRANSMITTAL

To His Excellency,

GOVERNOR J. C. B. ERINGHAUS,

Raleigh, North Carolina.

SIR:

I have the honor to transmit herewith the report of the Superintendent of the operations of the North Carolina Sanatorium for the Treatment of Tuberculosis for the biennium ended June 30th, 1934.

The report of the Superintendent is accepted as the report of the Board of Directors.

Respectfully submitted,

T. W. M. LONG, *Chairman,*

Board of Directors.

796522

REPORT OF SUPERINTENDENT

August 27, 1934.

DR. T. W. M. LONG, *Chairman,*
Board of Directors,
North Carolina Sanatorium,
Roanoke Rapids, N. C.

DEAR DR. LONG:

The Biennial Report of the North Carolina Sanatorium for the period ending June 30, 1934, is submitted herewith.

The work of the Extension Department is summarized and there are separate reports for each of the four divisions, White, Children, Colored and Prison.

During the first year of the biennium our average daily number of patients was 398.32, and for the second year 433.24. The total number of patients treated during the first year was 925, and 1,043 during the second year, and the total number of hospital days for the two years respectively 145,389 and 158,862.

There has been an increasing demand for the services of our three clinic physicians to conduct both adult and children's school clinics, so much so that we have not been able to keep up with the numerous requests. There has also been increasing interest in the services which we are offering to colleges to give the tuberculin test to their students and to X-ray the positive reactors. We find, too, that parents appreciate the opportunity of having the study of their children made, both in the schools and colleges, so much that a great majority of them are willing to pay for the X-ray films of the positive reactors. This is true, even of the colored population as well as of the white.

In our adult clinic work we find a tremendous need for X-ray equipment. Quite often the most careful physical examination will fail to reveal the presence of definite tuberculosis in the early cases and sometimes in the moderately advanced cases. The recently marketed greatly improved fluoroscopic screen will reveal chest pathology so clearly that we are hoping that we will be permitted to secure two portable fluoroscopes for the use of our clinicians.

We feel that our monthly paper, the *Sanatorium Sun,* is serving a most useful purpose in furnishing authoritative information on tuberculosis and in arousing interest in the disease. We are asking for a slight increase in our Extension Department appropriation for the next biennium because we are especially anxious to increase the circulation of the *Sanatorium Sun,* and especially anxious that we will be able to send it to all new reported cases of tuberculosis.

It is gratifying that in spite of the persistence of deplorable financial conditions the death rate from tuberculosis has continued to decline. During the calendar year of 1933, there were 2,103 deaths from all forms of tuberculosis in North Carolina with a death rate of 64.5 per 100,000 as compared with 2,200 deaths in 1932 and a death rate of 69. During the first seven months of 1934, however, the number of deaths has been practically the same as during the first seven months of 1933. This may indicate, as some believe, that we are just now beginning to reach the effects of the depression so far as tuberculosis is concerned and that the next few years will show an increase in the death rate.

We feel that hope for the control of the disease depends on making provision for the hospitalization of active cases and on increasing the facilities for a study of the contacts by tuberculin testing and by making physical and X-ray examinations of the positive reactors. We have been encouraging the counties to make provision for their advanced indigent tuberculous patients through the establishment of suitable units in connection with their county homes. Within the last two years a few of the counties have made such provision. We are urging such an arrangement for the present because we feel that it is not likely that any of the counties under the present financial conditions will be in a position to establish a first class county sanatorium for some years.

Since we are permitted to reduce our minimum charge to 50¢ per day the waiting list at our institution is so long that the patients have to wait from four to six months after filing application before they can be admitted. Oftentimes, patients' home conditions are such that hope for their improvement depends upon their early admission to a sanatorium. There is a tremendous need for additional sanatorium beds. We feel that it is the responsibility of the State to provide beds for the more

favorable cases and for the counties to provide beds for the less favorable cases who are unable to go to private institutions. Except for the addition of another wing to our colored building to accommodate sixty patients we feel that our present plant should not be enlarged, but that there should be established another sanatorium somewhere west of the central portion of the State. Such a location would make the institution more accessible both for diagnosis and treatment to the people in that section of the State. Our present plant has also reached the limit of its service units, heating, electric and water plants, so that there would be little difference in the cost of establishing a new institution elsewhere and adidng to the present institution. It is greatly hoped that within the next two or three years such an institution can be provided.

A number of improvements have been made in our mechanical plant out of our maintenance appropriation for additions and betterments, which have made far more improved and also far more economical plant operation. The replacement of one of our smaller engines with our 180-h.p. Skinner Engine unit has given us a much more satisfactory electric current. The replacement of an electric with a coke bakeoven has also given us more economical and more satisfactory service. The installation of a turbine pump in one of our deep wells has enabled us to get a sufficient and much more satisfactory water supply from this source, enabling us to discard entirely the use of surface water. At the present time we are installing improved refrigerating machinery and we are moving our ice making unit to our main power plant so that its operation can be more satisfactorily supervised. We are greatly indebted to Mr. R. N. Rothgeb, Engineer for the Budget Bureau, for helping us to plan and effect these changes.

During the last year of the biennium we succeeded in getting some much needed improvements made to our lake amounting to a little over $3,000.00 from the Federal C W A funds. We also secured approval of a request of $5,000.00 from P W A funds toward the installation of automatic sprinkler systems in our infirmary and in our colored building. Plans and specifications for these installations are now being prepared and it is hoped that the contract can be let shortly. Requests were made for C W A funds for a number of other projects, one of which was for a wing to our colored building, but they were not granted.

In May, 1931, we had the misfortune to lose by fire the portion of our dairy barn which was not fire-proof. Fortunately no cattle were injured and there was sufficient insurance coverage to replace the barn in as good shape as it was before. The origin of the fire could not be determined, but it is probable that it was due to spontaneous combustion of the hay in the loft.

We are greatly in need of additional housing facilities for the members of our staff. The capacity of our institution has been increased more than 25% since making any provisions for additional staff quarters. We are so greatly crowded that living conditions for the staff are exceedingly unsatisfactory and we will not be able to continue to keep the well qualified specialists which are so necessary to the efficient operation of a modern tuberculosis institution unless more satisfactory quarters are provided. We greatly hope that the four physician residences and the two residences for other employees which are requested will be provided.

The most important other requests which we are making for permanent improvements are: a wing for our colored unit and a wing for our infirmary at our white unit. The wing at the colored building would provide for sixty additional patients, an elevator, an X-ray and an operating room and isolation rooms for very sick and dying patients. The wing for our infirmary would provide isolation rooms for sick and dying patients, modern operating room and other much needed facilities. When our present operating room was provided many years ago it was thought that tuberculous patients could have only very minor operations and that all operations should be avoided if possible. Within recent years, however, it has been found that surgery offers a great many patients their only chance for recovery and now from 65 to 70% of our adult patients are getting some form of compression therapy. Most of these are taking pneumothorax treatment. We now have more than 200 patients taking pneumothorax and their treatment has to be repeated on an average of every week or ten days. A great many patients who can't take pneumothorax on account of pleural adhesions need other operations, such as phrenicetomies, thoracoplasties and pneumolyses. Our present operating room and sterilizing room are not at all suitable for these operations and it is at present impossible for us to have thoracoplasties done at the institution. It is also very difficult for us to get our patients in other institutions for such operations because none of them can afford private

rooms and the hospital authorities are not willing to place them in the ward with other non-tuberculous patients. If we had a well-equipped operating room we would have no trouble in getting competent surgeons to come in and perform the major operations for us.

Under the capable supervision of Miss Martha C. Newman, Superintendent of Nurses, our training school for nurses has been greatly improved. We now have a standard three-year training school and have made arrangements with the Moore County Hospital, an excellent general hospital which is approved by the American College of Physicians, to take all of our students for their third year. Heretofore, we have had to depend upon placing them in three or four different hospitals and the arrangement was very unsatisfactory.

There have been few changes in our staff during the biennium. In October, 1932, Dr. J. S. Hooker resigned to engage in private practice at Chapel Hill, and in January, 1933, Dr. W. B. Hooks resigned to take up some special hospital work in Philadelphia. Dr. C. G. Milham and Dr. Alban Papineau were secured to take their respective places. Last fall we were all greatly shocked and grieved by the death from pneumonia of Mr. M. E. Rothgeb, our head engineer, following an operation for appendicitis. Mr. R. S. Perry, who had been with us for some years, was promoted to take his place.

To Dr. S. M. Bittinger, Assistant Superintendent and Associate Medical Director, and the other members of the medical staff, to the heads of all other departments and to all other employees of the institution I wish to express my deep appreciation for their hearty coöperation and loyalty. We are also deeply grateful to our many friends who have so generously provided entertainments and donated radio equipment, books, flowers and many other gifts. We especially wish to thank the Charlotte Film Board of Trade for the splendid cinema programs which they have furnished us each week without charge. For the splendid services which you and the other members of the Board have rendered the institution, oftentimes at great inconvenience and sacrifice, and for your kindly guidance and hearty support, I wish to express my deep appreciation.

Respectfully yours,

P. P. McCAIN

Superintendent and Director,
Extension Department.

SUMMARY OF YEAR'S WORK

July 1, 1932—June 30, 1934

Extension Department

			1932-1933	1933-1934
Letters and postals received			17,185	17,563
Individual letters written			11,794	13,053
Mimeographed letters mailed			3,176	1,230
Mimeographed forms prepared			67	56
Number of copies mimeographed			78,093	121,991
Articles written (approx.-no-words):				
Press	11,420	14,390		
Other publications		5,300		
Sanatorium Sun	190,900	193,800		
			202,120	213,490
Copies Sanatorium Sun mailed			34,700	34,050
Articles copies (approx.-no-words)			28,405	60,150
Patients histories written			542	550
Approximate number words in patients' histories			813,000	825,000
Envelopes addressed			20,993	18,945
Enclosures sent out			14,351	11,065
Blank cards mailed for reporting caes of tuberculosis			4,923	1,590
Number of cases reported:				
White	1,418	1,434		
Colored	1,099	912		
Indians	7	106		
			2,524	2,452
Literature sent to reported cases			1,328	1,140
Other literature sent			30,900	12,576
Sputum cups distributed			166,300	158,600
Tuberculin sent physicians for von Pirquet test			1,224	2,376
X-ray films sent in for interpretation			458	723
Report of phrenic operations			97	78
Report of scaleniotomy			3	----------

REPORT OF P. P. McCAIN, M. D.

	1932-1933	1933-1934
Days out of office	30	23
Addresses delivered	17	21
Number in audience	1,930	1,845

REPORT OF ADULT TUBERCULOSIS CLINICS

Drs. H. F. Eason, C. D. Thomas and W. F. Thornton, Clinic Physicians

			1932-1933	1933-1934	Total
Number of addresses delivered			8	4	12
Total audience			965	295	1,260
	1932-1933	1933-1934			
Number of positive cases	173	194			
Number of probable cases	99	122			
Number of doubtful cases	231	247			
Number of negative cases	1,474	1,594			
Number of ex-patients examined	227	249			
			2,204	2,406	4,610
Number of white examinations	1,962	2,003			
Number of colored examinations	242	403			
			2,204	2,406	4,610

REPORT OF CHILDREN'S TUBERCULOSIS CLINIC

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities, During School Sessions 1926-1934

RESULT OF TUBERCULIN TEST

(0.1 c.c. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	148,504	27,179	426	176,109
Number positive reactors	22,156(14.9%)	5,010(18.4%)	105(24.6%)	27,271(15.0%)

RESULTS OF THE STUDY OF THE 22,817 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of chest			22,817
Number of reactors diagnosed as having tuberculosis		2,767	
White	2,046		
Colored	690		
Indian	31		
Childhood type	2,504		
Adult type (parenchymal)	149		
Childhood and adult type	80		
Extra-pulmonary	27		
Extra-pulmonary and adult type	6		
Extra-pulmonary and childhood type	1		
Number reactors classified as suspicious		2,710	
Number reactors classified as having no demonstrable tuberculosis		17,340	

REPORT OF CHILDREN'S TUBERCULOSIS CLINIC

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities, During School Sessions 1932-33, and 1933-34

RESULT OF THE TUBERCULIN TEST

(0.1 c.c. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	45,997	7,312	426	53,735
Number positive reactors	6,469(14.1%)	1,378(18.8%)	105(24.6%)	7,952(14.8%)

RESULT OF THE STUDY OF 6,720 REACTORS HAVING X-RAYS

RACE	No. Having X-Rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	%	Number	%	Number	%
White	5,425	652	12	596	11	4,177	77
Negro	1,190	189	15.9	118	9.9	883	74.2
Indian	105	31	29.6	26	24.6	48	45.8
Total	6,720	872	12.9	740	11	5,098	75.9

Childhood or primary type lesions	788
Adult or re-infection type lesions	47
Childhood and adult type lesions	31
Extra-pulmonary	5
Extra-pulmonary and childhood type lesions	1
Total	872

WHITE DIVISION

MEDICAL REPORT

July, 1932-July, 1934

Statistical

	1932-1933	1933-1934	Total
Number of patients to be reported on (discharged)	250	312	562
Number not classified	2	1	3
Number not tuberculous	47	41	88
Number of patients in Sanatorium July 1	270	270	540
Total number of patients treated	569	624	1,193
Hospital days,	94,897	98,566	193,463

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1932–1934

CONDITION ON ADMISSION					CONDITION ON DISCHARGE									
					Apparently Arrested		Quiescent		Improved		Unimproved		Died	
		1932–33		1933–34	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934
Minimal	28	A	7	A 12	4	6		2	3	4				
		B	3	B 6	1	3	1		1	3				
		C	0	C 0										
Moderately Advanced,	27	A	1	A 3					1	2		1		
		B	8	B 15		1		1	5	11	3	2		
		C	0	C 0										
Far Advanced	66	A	0	A 0										
		B	22	B 24					16	14	6	9		1
		C	11	C 9					2	1	8	8	1	
Childhood type			1	1						1				
Extra-pulmonary			1	1							1			
Total	123		53	70	5	10	1	3	28	36	18	20	1	1

	1932-33	1933-34		1932-33	1933-34		1932-33	1933-34
Total number of days	2,378	2,930	Average stay	42.98	41.86	Shortest stay	4	5

Number gained weight: **1932-33** 32: **1933-34** 41

Number lost weight: **1932-33** 11: **1933-34** 10

	1932-33	1933-34		1932-33	1933-34
Average gain	6.6	5.45	Average loss	3.07	2.55
Stationary	2	8	Not weighed	8	11

PATIENTS WHO STAYED NINETY DAYS OR OVER

1932–1934

CONDITION ON ADMISSION					CONDITION ON DISCHARGE									
					Apparently Arrested		Quiescent		Improved		Unimproved		Died	
		1932–33		1933–34	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934
Minimal	35	A	11	A 16	7	13	2	3	2					
		B	4	B 4	3	4			1					
		C	0	C 0										
Moderately Advanced	169	A	12	A 14			5	8	6	4		2	1	
		B	70	B 69			33	33	30	33	7	3		
		C	3	C 1			3			1				
Far Advanced	227	A	1	A 3			1	2		1				
		B	69	B 104			13	9	46	83	9	11	1	1
		C	22	C 28					11	18	8	8	3	2
Childhood Type	8		5	3	5	2				1				
Total	439		197	242	15	19	57	55	96	141	24	24	5	3

	1932-33	1933-34		1932-33	1933-34		1932-33	1933-34
Total number of days	70,398	100,661	Average stay	357.3	415.99	Longest stay	1,554	2,304

Number gained weight: **1932-33** 152: **1933-34** 190

Number lost weight: **1932-33** 34: **1933-34** 40

	1932-33	1933-34		1932-33	1933-34
Average gain	11.66	14.68	Average loss	6.1	5.98
Stationary	3	2	Not weighed	8	10

HISTORY OF HEMORRHAGE

		1932-33	1933-34
Negative		147	178
Positive	Previous	95	112
	Previous and during residence	7	19
	During residence only	1	3

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		106	147
Positive	On admission	123	143
	During residence	92	96
	On discharge	63	66

SEX, AGE AND CIVIL CONDITION

SEX		AGE						CIVIL CONDITION			
		1932-33									
		12-19	20-29	30-39	40-49	50-59	60-69	Single	Married	Widowed	Divorced
Male	94										
Female	156	28	111	53	39	17	2	106	124	17	3
Total	250										
					1933	- 34					
Male	119										
Female	193	36	130	83	38	20	5	133	165	10	4
Total	312										

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	5
Adenitis (tracheobronchial)	16
Anal fistula	13
Caseous pneumonia	1
Cystitis	1
Enteritis	43
Ischiorectal abscess	1
Keratitis	1
Laryngitis	61
Nepritis	1
Orchitis	1
Osteitis with ankylosis	3
Peritonitis	7
Pleural fistula	2
Pleurisy with effusion	21
Pott's disease	3
Pyo-pneumothorax	2

NON-TUBERCULOUS COMPLICATIONS

Absess (alveolar)	5
Acne	7
Amputation of leg	1
Ankylosis	3
Anemia (secondary)	16
Aortitis	1
Arteriosclerosis	4
Arthritis	4
Asthma (bronchial)	3
Atrophy of testicle	1
Blindness (partial)	1
Blindness (total)	1
Bronchiectasis	13
Bronchitis	5
Carious teeth	75
Cholecystitis	2
Colitis	1
Cystocele	4
Deafness (complete)	1
Deafness (partial)	7
Diabetes mellitus	3
Diseased tonsils	94
Dysmenorrhea	7
Endocarditis	1
Epilepsy	1
Erosion of cervix	1
Gastric ulcer	2
Gingivitis	6
Goitre (simple)	2
Hemorrhoids	17
Hernia	9
Hookworm	14
Hypertension	7
Icthyosis	2
Infantile paralysis (post)	1
Laceration of cervix	2
Laceration of perineum	12
Laryngitis	1
Lues	6
Lumbago	1
Mitral regurgitation	2
Myocarditis	3
Nephritis	6
Otitis media	19
Paralysis (partial)	1
Pellagra	4
Pelvic cellulitis	3
Pharyngitis	3
Pineworm infection	1
Pneumonitis	2
Prolapse of uterus	6
Psychosis	1
Pterygium	3
Pyelitis	1
Pyorrhea	101
Rectocele	2
Renal calculi	1
Retroflexion of uterus	1
Retroversion of uterus	15
Ringworm infection	1
Rhinitis (atrophic)	2
Rhinitis (chronic)	37
Sinusitis	21
Sprue	1
Strabismus	3
Tapeworm infection	2
Tenia versicola	1
Tumor (breast)	1
Ulcer (groin)	1
Undescended testicle	1
Uterine fibroid	1
Varicocele	2
Varicose veins	5
Yeast infection of lungs	1

OCCUPATIONS

Advertising	1
Auditor	1
Baker	2
Banking	2
Barber	8
Blacksmith	1
Boarding house	1
Boiler maker	1
Bookkeeper	8
Bridgeman	1
Cafe operator	1
Cabinet maker	1
Carpenter	2
Cashier	2
Civil engineer	1
Clerical	10
Clerk	13
Clock repairer	1
Contractor	1
Dentist	1
Dressmaker	3
Drug clerk	6
Dry cleaner	1
Electrical engineer	4
Engineer	5
Farmer	45
Filling station operator	2
Fireman	1
Foreman	1
Gas cell builder	1
Governess	1
Highway commissioner	1
Home economics	1
Housewives	183
Insurance salesman	3
Jeweler	1
Laboratory technician	1
Laborer	5
Laundry superintendent	1
Laundry	1
Lawyer	1
Lineman	1
Lumberman	1
Machinist	3
Merchant	4
Messenger boy	1
Mill work	78
Musician	2
Nurses (registered)	3
Nurses	17
Orderly (hospital)	1
Painter	4
Paper hanger	1
Physician	1
Post office clerk	1
Printer	3
Prize fighter	1
Prohibition investigator	1
Railroad clerk	1
Real estate	1
Saleslady	1
Salesman	14
Shoemaker	1
Sign painter	1
Steam fitting	2
Stenographer	11
Students	51
Superintendent quarry	1
Teacher	19
Telegraph operator	1
Telephone operator	2
Tobacco buyer	1
Train dispatcher	1
Truck driver	1
Waitress	1
Waiter	2

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1932-June 30, 1934

	White		Colored		Prison		Total	
	32-33	33-34	32-33	33-34	32-33	33-34	32-33	33-34
July	184	261	15	21	12	16	211	298
August	220	261	12	12	22	14	254	287
September	166	244	16	21	22	16	204	281
October	218	189	10	23	10	13	238	225
November	190	166	26	19	12	16	228	201
December	113	187	23	22	12	12	148	221
January	139	144	15	49	12	16	166	209
February	112	141	17	20	15	15	144	176
March	169	217	12	33	9	17	190	267
April	200	202	16	14	8	15	224	231
May	206	219	18	17	17	18	241	254
June	253	240	38	34	11	12	302	286
Total	2,170	2,471	218	285	162	180	2,550	2,936

CLASSIFICATION

Positive diagnosis	280	352	59	92	45	46	384	490
Negative diagnosis	1,097	1,174	131	136	97	109	1,325	1,419
Re-examination	793	945	28	57	20	25	841	1,027
Total	2,170	2,471	218	285	162	180	2,550	2,936

SUMMARY OF MEDICAL REPORT

July 1, 1932-July 1, 1934

	1932-33	1933-34	Total
Patients admitted:			
Minimal	23	39	62
Moderately advanced	120	109	229
Far advanced	130	158	288
Extra-pulmonary	0	1	1
Childhood tuberculosis	8	6	14
Not tuberculous	35	29	64
Not classified	9	11	20
Total	325	353	678
Patients discharged:			
Apparently arrested	20	29	49
Quiescent	58	58	116
Improved	123	177	300
Unimproved	43	44	87
Died	6	4	10
Total	250	312	562

REPORT OF X-RAY LABORATORY

July 1, 1932-June 30, 1934

	White	Colored	Prison	Total
Stereoroentgenograms of chest, Sanatorium patients	681	238	94	1,013
Stereoroentgenograms of chest, Sanatorium clinic patients	1,113	72	15	1,200
Stereoroentgenograms of chest, Adult clinics	101	0	0	101
Double Roentgenograms of chest, Sanatorium patients	112	21	0	133
Double Roentgenograms of chest, Sanatorium clinic patients	717	78	0	795
Double Roentgenograms of chest, Children's clinics	3,828	1,090	0	4,918
Single Roentgenograms of chest, Sanatorium patients	1,646	201	127	1,974
Single Roentgenograms of chest, Sanatorium clinic patients	877	120	104	1,101
Single Roentgenograms of chest, Adult clinic patients	1,884	467	0	2,351
Single Roentgenograms of chest, Children's clinics	551	0	0	551
Miscellaneous X-rays	491	38	10	539
Totals	12,001	2,325	350	14,676
Treatments	139	14	13	166

LABORATORY REPORT

	White	Colored	Prison	Total
Sputanalyses:				
Culture	1	0	0	1
Micros	5,958	1,564	594	8,116
Chem	1,096	353	95	1,544
Total	7,054	1,917	689	9,660
Urinalyses:				
Micros	1,847	332	124	2,303
Chem	2,443	379	124	2,946
Total	4,290	711	248	5,249
Blood:				
W. B. C.	1,063	308	128	1,499
R. B. C.	1,059	289	121	1,469
Hemoglobin	1,061	287	121	1,469
C. I.	1,055	287	121	1,463
Differential count	1,145	304	128	1,577
Kahn test	246	88	24	358
Wassermann	708	358	112	1,178
Malaria	31	0	1	32
Urea	50	11	0	61
Widal	23	0	0	23
Sedimentation	1,593	11	0	1,604
Undulant fever	15	1	0	16
Culture	3	1	0	4
Sugar	21	1	0	22
Kline	47	7	3	57
Weil Felix	2	0	0	2
Total	8,122	1,953	759	10,834

LABORATORY REPORT—Continued

	White	Colored	Prison	Total
Feces	934	261	93	1,288
Phthalein	29	5	0	34
Gastric	68	11	0	79
Pleural fluid	146	35	9	190
B. M. R.	53	7	0	60
Bacteriological	75	77	8	160
Spinal fluid	1	2	4	7
Abdominal fluid	3	0	0	3
Miscellaneous	0	1	0	1
Total	1,309	399	114	1,822

Water:		
For coli	12	
Bacterial count	12	
Total		24
Milk:		
For coli	10	
Bacterial count	10	
Total		20
Total examinations		10,834

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Hertford	1
Associated Charities, Raleigh	1
Associated Charities, Winston-Salem	1
Auxiliary Bed, Medical Society	2
Board of Charities and Public Welfare, Wilkesboro	1
Board of County Commissioners, Burke	1
Board of County Commissioners, Cartaret	1
Board of County Commissioners, Cherokee	1
Board of County Commissioners, Cleveland	3
Board of County Commissioners, Columbus	1
Board of County Commissioners, Currituck	2
Board of County Commissioners, Duplin	6
Board of County Commissioners, Edgecombe	1
Board of County Commissioners, Forsyth	1
Board of County Commissioners, Gaston	39
Board of County Commissioners, Halifax	5
Board of County Commissioners, Henderson	1
Board of County Commissioners, Hyde	2
Board of County Commissioners, Johnston	1
Board of County Commissioners, Lee	2
Board of County Commissioners, Lenoir	1
Board of County Commissioners, Lincoln	5
Board of County Commissioners, New Hanover	1
Board of County Commissioners, Onslow	1
Board of County Commissioners, Orange	1
Board of County Commissioners, Pasquotank	3
Board of County Commissioners, Rowan	4
Board of County Commissioners, Sampson	2
Board of County Commissioners, Scotland	1
Board of County Commissioners, Stanly	14
Board of County Commissioners, Surry	4
Board of County Commissioners, Union	3
Board of County Commissioners, Yadkin	1
Board of County Commissioners, Yancey	1
Charity Organization Society, Greensboro	1
Charity Organization Society, Goldsboro	11
City Relief Department, Raleigh	1
Community Chest, Reidsville	1
Community Service League, Kinston	5
Junior Order, Four Oaks	1
Kiwanis Tuberculosis Clinic, Rocky Mount	2
Mansfield Mills, Inc., Lumberton	1
Masonic Orphanage, Oxford	1
Methodist Orphanage, Raleigh	1
Mission of the Good Samaritan, Asheville	1
Mutual Aid Association, Draper	2
Parent-Teachers' Association, Albemarle	1
Presbyterian Orphanage, Barium Springs	1
Public Welfare, Asheboro	2
Public Welfare, Asheville	9
Public Welfare, Burlington	6
Public Welfare, Chapel Hill	1
Public Welfare, Clinton	2
Public Welfare, Cramerton	1
Public Welfare, Concord	4
Public Welfare, Dodson	1
Public Welfare, Durham	32
Public Welfare, Goldsboro	12
Public Welfare, Greenville	12
Public Welfare, Hendersonville	1
Public Welfare, Lexington	8

Public Welfare, Lillington	9
Public Welfare, Lincolnton	1
Public Welfare, Lumberton	2
Public Welfare, Mocksville	1
Public Welfare, Morganton	1
Public Welfare, Murphy	1
Public Welfare, Nashville	4
Public Welfare, New Bern	1
Public Welfare, Newton	5
Public Welfare, Oxford	4
Public Welfare, Pinehurst	1
Public Welfare, Pittsboro	4
Public Welfare, Raleigh	2
Public Welfare, Reidsville	8
Public Welfare, Rockingham	8
Public Welfare, Rutherfordton	2
Public Welfare, Salisbury	4
Public Welfare, Sanford	1
Public Welfare, Scotland Neck	1
Public Welfare, Smithfield	2
Public Welfare, Sylva	1
Public Welfare, Tarboro	2
Public Welfare, Trenton	1
Public Welfare, Warrenton	2
Public Welfare, Washington	4
Public Welfare, Williamston	2
Public Welfare, Wilmington	3
Public Welfare, Wilson	12
Public Welfare, Windsor	1
Public Welfare, Winton	1
Public Welfare, Yanceyville	3
Relief Fund, Cramerton	1
Relief Fund, Fayetteville	1
Relief Fund, Germantown	4
Relief Fund, Jacksonville	2
Relief Fund, Marion	2
Relief Fund, Raleigh	1
Relief Fund, Yadkinville	3
Roanoke Mills, Roanoke Rapids	1
Social Service Exchange, Winston-Salem	1
Tuberculosis Association, Chapel Hill	1
Tuberculosis Association, Concord	2
Tuberculosis Association, North Wilkesboro	1
United Daughters of the Confederacy	2

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. Leonard Tufts, Pinehurst, N. C.
Mr. F. R. Flynt, Providence, R. I.
Mrs. T. A. Cheatham, Pinehurst, N. C.
Mr. Chapin, Pinehurst, N. C.
Mrs. Jim Thomas, Raeford, N. C.
Church Periodical, Boston, Mass.
Mr. J. R. Bawker, Pinehurst, N. C.
Mrs. Max Payne, Greensboro, N. C.
Mrs. Herbert Smith, Warsaw, N. C.
Public Library, Pinehurst, N. C.
Mr. J. Lawrence Sprunt, Wilmington, N. C.

Clothing:

Robeson Chapter, U. D. C., Lumberton, N. C.
Mrs. J. A. Bizzell, Kinston, N. C.
Mrs. James S. Ficklen, Greenville, N. C.
Mr. James Lawrence Sprunt, Wilmington, N. C.

Cash Donations:

Mr. J. Lawrence Sprunt, Wilmington, N. C.

Miscellaneous Gifts:

Mrs. P. T. Guy, Statesville, N. C.
Junior Red Cross, High Point, N. C.
Junior Red Cross, Spray, N. C.
Junior Red Cross, Concord, N. C.
Junior Red Cross, Mt. Pleasant, N. C.
Fourth Grade, Long Grammar School, Concord, N. C.
Junior Red Cross, Kannapolis, N. C.
Mr. A. B. Andrews, Raleigh, N. C.
First Baptist Church, St. Paul, N. C.
Mrs. T. A. Cheatham, Pinehurst, N. C.
Miss Mary Schwarberg, Southern Pines, N. C.
Mrs. Chas. B. Pratt, Madison, N. C.
St. Anne's Auxiliary, Church of The Good Shepherd, Raleigh, N. C.
Lewis Wimberly Missionary Society, Presbyterian Church, Aberdeen, North Carolina.
Miss Clara B. Lewis, Southern Pines, N. C.
Third Grade Whiteville School, Whiteville, N. C.

Flowers:

National Flower Shut-In Day, Sponsored by the Florists.
Telegraph Delivery Asso., Pinehurst Greenhouse, Pinehurst, N. C.
Mr. J. E. L. Wade, Wilmington, N. C.
Mrs. C. A. Ballentine, Varina, N. C.

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1932-1933	1933-1934	Total
Number of patients to be reported on (discharged)	51	54	105
Number not tuberculous	2	3	5
Number of patients in Sanatorium July 1	39	37	76
Total number of patients treated	92	94	186
Hospital days	13,774	13,408	27,182

SUMMARY MEDICAL REPORT

	1932-1933	1933-1934	Total
Patients admitted:			
Adult type tuberculosis	8	11	19
1932-1933 1933-1934			
Minimal 7 7			
Moderately advanced 1 4			
Childhood type	51	41	92
Not tuberculous	1	2	3
Not classified	1	1	2
Total	61	55	116
Patients discharged:			
Apparently healed	40	47	87
Apparently inactive	7	5	12
Improved	3	2	5
Unimproved	1	0	1
Died	0	0	0
Total	51	54	105

SEX AND AGE

	1932-1933	1933:1934	Total
Sex:			
Male	16	32	48
Female	35	22	57
Total	51	54	105
Age:			
15 month to 9 years	21	31	52
10 to 17 years	30	23	53
Total	51	54	105

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	1	Empyema	1
Adenitis (tracheobronchial)	11	Pleurisy with effusion	2

NON-TUBERCULOUS COMPLICATIONS

Asthma (bronchial)	1	Hookworm disease	4
Bronchitis	2	Impetigo	2
Bronchopneumonia	2	Otitis media	3
Carious teeth	7	Pneumonitis	1
Dermatitis	1	Secondary anemia	1
Diseased tonsils	30	Sinusitis	1
Endocervicitis	1	Rhinitis (chronic)	1
Furuncle	1	Round worm infection	1

COLORED DIVISION

MEDICAL REPORT

Statistical

	1932-1933	1933-1934	Total
Number of patients to be reported on (discharged)	66	106	172
Number not classified	0	1	1
Number not tuberculous	10	16	26
Number of patients in Sanatorium July 1	85	102	187
Total number of patients treated	161	225	386
Hospital days	23,124	33,884	57,008

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1932–1934

CONDITION ON ADMISSION					CONDITION ON DISCHARGE									
					Apparently Arrested		Quiescent		Improved		Unimproved		Died	
		1932–33		1933–34	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934
Minimal	1	A	1	A 0			1							
		B	0	B 0										
		C	0	C 0										
Moderately Advanced	7	A	1	A 1					1			1		
		B	4	B 1					2	1	2			
		C	0	C 0										
Far Advanced	35	A	0	A 0										
		B	3	B 6					1	1	2	3		2
		C	14	C 12					3	0	6	9	5	3
Total	43		23	20	0	0	1	0	7	2	10	13	5	5

	1932-33	1933-34
Total number of days	908	943

	1932-33	1933-34
Average stay	39.47	47

	1932-33	1933-34
Shortest stay	10	14

Number gained weight: **1932-33** 13: **1933-34** 10

Number lost weight: **1932-33** 8: **1933-34** 6

	1932-33	1933-34
Average gain	7.8	6
Stationary	0	2

	1932-33	1934-33
Average loss	6.6	3.38
Not weighed	2	2

PATIENTS WHO STAYED NINETY DAYS OR OVER

1932–1934

CONDITION ON ADMISSION					CONDITION ON DISCHARGE									
					Apparently Arrested		Quiescent		Improved		Unimproved		Died	
		1932–33		1933–34	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934	1932-1933	1933-1934
Minimal	6	A 1	A	5	1	4		1						
		B 0	B	0										
		C 0	C	0										
Moderately Advanced	30	A 3	A	4			1	4	2					
		B 5	B	17	2		2	9	1	6				2
		C 1	C	0			1							
Far Advanced	77	A 0	A	1				1						
		B 10	B	24				5	5	12	2	7	3	0
		C 17	C	25				2	7	10	2	6	8	7
Childhood Type	15	5		10	3	8		2	2					
Extra-pulmonary	1	1									1			
Total	129	43		86	6	12	4	24	17	28	5	13	11	9

	1932-33	1933-34
Total number of days	10,335	25,497

	1932-33	1933-34
Average stay	240.35	296.48

	1932-33	1933-34
Longest stay	608	988

	1932-33	1933-34
Number gained weight	32	67

	1932-33	1933-34
Number lost weight	7	12

	1932-33	1933-34
Average gain	16.08	20.18
Stationary	0	0

	1932-33	1933-34
Average loss	19.07	13.3
Not weighed	4	7

HISTORY OF HEMORRHAGE

		1932-33	1933-34
Negative		46	67
Positive	Previous only	11	26
	Previous and during residence	3	5
	During residence only	6	8

RESULTS OF SPUTUM EXAMINATION

Negative or no sputum		24	47
Positive	On admission	39	55
	During residence	23	33
	On discharge	21	20

SEX, AGE AND CIVIL CONDITION

SEX		AGE						CIVIL CONDITION			
		1932-1933									
		5-9	10-19	20-29	30-39	40-49	50-59	Single	Married	Widowed	Divorced
Male	28										
Female	38	3	21	24	11	3	4	35	28	0	3
Total	66										
					1933 - 1934						
Male	47										
Female	59	5	23	49	18	8	3	57	39	7	3
Total	106										

OCCUPATIONS

1932-1934

Bakery	1
Brick mason	1
Construction work	1
Cooks	8
Dairy	1
Delivery boy	1
Elevator operator	1
Farming	34
Factory laborer	10
Housework	33
Janitor	3
Laborers	11
Maids	2
Mechanic	1
Nurses	1
Physician	1
Porter	2
Salesgirl	1
Students	46
Student nurse	1
Tailor	1
Teachers	8
Undertaker	1
Waiter	2

TUBERCULOUS COMPLICATIONS

1932-1934

Adenitis (cervical)	6
Adenitis (inguinal)	1
Adenitis (tracheobronchial)	5
Anal fistula	5
Ascites	1
Empyema	2
Enteritis	20
Epididymitis	1
Laryngitis	42
Meningitis	1
Peritonitis	8
Pleurisy with effusion	12
Sinus (chest wall)	1
Spontaneous pneumothorax	1

NON-TUBERCULOUS COMPLICATIONS

Acne vulgaris	1
Adenitis	5
Anal fissure	1
Arterio-sclerosis	1
Asthma (bronchial)	1
Carious teeth	64
Cervicitis (uterine)	6
Cystitis	4
Cystocele	4
Diseased tonsils	35
Endocervicitis	24
Endometritis	2
Epididymitis	1
Epilepsy	1
Erosion of cervix	1
Gingivitis	6
Goitre	1
Hemorrhoids	9
Hernia	1
Hookworm	1
Hypertension	2
Hyperthyroidism	1
Icthyosis	1
Laceration of cervix	1
Laceration of perineum	3
Laryngitis	2
Lues	24
Mental deficiency	4
Mitral regurgitation	1
Myocarditis	1
Nephritis	1
Osteomyelitis	1
Pregnancy	3
Pyorrhea	36
Retroflexion of uterus	3
Retroversion of uterus	7
Rhinitis (chronic)	8
Salpingitis	8
Tumor of breast (benign)	1
Uterine fibroid	1

SUMMARY MEDICAL REPORT

	1932-1933	1933-1934	Total
Patients admitted:			
Minimal	5	5	10
Moderately advanced	30	26	56
Far advanced	72	82	154
Childhood tuberculosis	11	12	23
Extra-pulmonary	3	0	3
Not tuberculous	7	13	20
Not classified	5	2	7
Total	133	140	273
Patients discharged:			
Apparently arrested	6	12	18
Quiescent	5	24	29
Improved	24	30	54
Unimproved	15	26	41
Died	16	14	30
Total	66	106	172

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Associated Charities, Raleigh	2
Associated Charities, Rocky Mount	1
Board of County Commissioners, Bladen	4
Board of County Commissioners, Brunswick	4
Board of County Commissioners, Burke	1
Board of County Commissioners, Currituck	9
Board of County Commissioners, Forsyth	9
Board of County Commissioners, Gaston	3
Board of County Commissioners, Greene	6
Board of County Commissioners, Hoke	11
Board of County Commissioners, Lee	1
Board of County Commissioners, Pasquotank	3
Board of County Commissioners, Rockingham	1
Board of County Commissioners, Scotland	2
Board of County Commissioners, Stanly	1
Board of County Commissioners, Washington	1
Board of County Commissioners, Yadkin	1
Charity Organization Society, Goldsboro	5
City of Winston-Salem	2
Family Service Agency, Greensboro	5
Moore County Health and Welfare Association, Mrs. Frances Keating, President	12
Oxford Orphanage	2
Public Welfare, Asheville	2
Public Welfare, Burlington	2
Public Welfare, Chapel Hill	2
Public Welfare, Clinton	1
Public Welfare Concord	5
Public Welfare, Durham	23
Public Welfare, Goldsboro	2
Public Welfare, Greenville	3
Public Welfare, Henderson	1
Public Welfare, Kenansville	3

Public Welfare, Kinston	1
Public Welfare, Lexington	1
Public Welfare, Lillington	4
Public Welfare, Louisburg	3
Public Welfare, Lumberton	5
Public Welfare, Mocksville	1
Public Welfare, Newton	1
Public Welfare, Oxford	3
Public Welfare, Raleigh	2
Public Welfare, Reidsville	2
Public Welfare, Rockingham	7
Public Welfare, Salisbury	1
Public Welfare, Smithfield	1
Public Welfare, Wadesboro	10
Public Welfare, Washington	2
Public Welfare, Williamston	1
Public Welfare, Wilson	3
Public Welfare, Yanceyville	1
Tuberculosis Association, Bayboro	1
Tuberculosis Association, Chapel Hill	1
Woman's Club, Oxford	1
Young Woman's Business Club, Roxboro	1

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. C. Boyd, Southern Pines, N. C.
Mrs. J. R. Page, Aberdeen, N. C.
Mrs. Jordan, Southern Pines, N. C.

Miscellaneous:

Capitol Department Store, Fayetteville, N. C.
Fleishman's Big Store, Fayetteville, N. C.
Strawbridge & Clothier, Philadelphia, Pa.
Mrs. T. A. Cheatham, Southern Pines, N. C.

Cash:

Mr. Chapin, Pinehurst, N. C.
Mrs. W. K. Fownes, Pinehurst, N. C.
Mrs. C. Boyd, Southern Pines, N. C.
Dr. W. B. Hooks, Tarboro, N. C.
Mrs. Chapman, Pinehurst, N. C.

BIENNIAL REPORT

OF THE

North Carolina Sanatorium

SANATORIUM, N. C.

FOR THE TWO YEARS ENDED JUNE 30, 1936

PERSONNEL

BOARD OF DIRECTORS

MR. L. L. GRAVELY, *Chairman*	Rocky Mount
MR. E. A. RASBERRY, *Vice-Chairman*	Snow Hill
MR. R. L. HARRIS, *Secretary*	Roxboro
MR. ROBERT M. HANES	Winston-Salem
DR. THURMAN D. KITCHEN	Wake Forest
MR. LAURIE MCEACHERN	Raeford
DR. J. W. MCGEHEE	Reidsville
MR. U. L. SPENCE	Carthage
DR. J. R. TERRY	Lexington
MRS. MAX T. PAYNE	Greensboro
DR. CARL V. REYNOLDS	Raleigh

P. P. MCCAIN, M.D.	Superintendent and Medical Director
S. M. BITTINGER, M.D.	Asst. Supt. and Associate Medical Director
J. H. WILLIAMS, M.D.	Assistant Physician
M. T. PLYLER, M.D.	Assistant Physician
A. L. ORMOND, M.D.	Assistant Physician
R. C. HAIRSTON, M.D.	Assistant Physician, Negro Division
MARTHA C. NEWMAN, R.N.	Superintendent of Nurses
BERTHA JOHNSON, R.N.	Assistant Superintendent of Nurses
R. G. WHARTON, D.D.S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Cashier and Purchasing Officer
MRS. C. W. COVINGTON	Secretary to Superintendent
J. B. WOMBLE	Steward
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R.N.	Superintendent of Nurses, Negro Division

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M.D.	Director
H. F. EASOM, M.D.	Clinic Physician
C. D. THOMAS, M.D.	Clinic Physician
W. F. THORNTON, M.D.	Clinic Physician
H. L. SEAY, M.D.	Clinic Physician
A. PAPINEAU, M.D.	Clinic Physician

CONSULTING STAFF

DR. DAVID T. SMITH, *Bacteriology and Internal Medicine* Duke Hospital	Durham
DR. O. L. MILLER, *Orthopedic Surgeon*	Charlotte
DR. JULIAN A. MOORE, *Surgery*	Asheville
DR. J. D. HIGHSMITH, *Surgery*	Fayetteville
DR. C. R. MONROE, *Surgery*	Pinehurst
DR. DERYL HART, *Surgery*, Duke Hospital	Durham
DR. JAMES M. LILLY, *Eye, Ear, Nose and Throat*	Fayetteville
DR. WM. S. JORDAN, *Eye, Ear, Nose and Throat*	Fayetteville
DR. W. P. MCKAY, *Eye, Ear, Nose and Throat*	Fayetteville
DR. J. B. GREENE, *Laryngologist*	Asheville
DR. JAMES B. BULLITT, *Pathology*	Chapel Hill
DR. WM. DEB. MACNIDER, *Pharmacology*	Chapel Hill

Group of Patients and Employees at Sanatorium with Governor-Elect Clyde R. Hoey

LETTER OF TRANSMITTAL

TO HIS EXCELLENCY,
GOVERNOR J. C. B. EHRINGHAUS,
Raleigh, N. C.

SIR:

I have the honor to transmit herewith the report of the Superintendent of the operations of the North Carolina Sanatorium for the Treatment of Tuberculosis for the biennium ended June 30, 1936, and the report of the progress of the work on the new sanatorium for the treatment of tuberculosis located near Black Mountain, North Carolina. The report of the Superintendent is accepted as the report of the Board of Directors.

It is our hope to secure additional PWA funds in the amount of $73,000.00 with which to assist in providing additional facilities at Sanatorium for the care of Negro patients. It is, also, our purpose to request additional funds from the State of North Carolina for the building of a second building for patients at the new Sanatorium. The overwhelming need for the treatment of tuberculosis among our people justifies and makes necessary these requests.

I desire to express my very great obligation to the new Board of Directors for their interest in and attention to the work of the Sanatorium; and, also, our thanks to the Site Committee for their untiring efforts which resulted in the selection of the magnificent site for the new sanatorium.

Respectfully submitted,

L. LEE GRAVELY, *Chairman,*

Board of Directors.

BOARD OF DIRECTORS

Members Present:

Front Row—left to right: DR. CARL V. REYNOLDS, SENATOR L. L. GRAVELY, E. A. RASBERRY, DR. J. R. TERRY.

Back Row: LAURIE MCEACHERN, DR. THURMAN D. KITCHIN, R. E. FINCH, DR. J. W. MCGEHEE AND DR. MCCAIN, *Superintendent.*

Members Absent:

U. L. SPENCE, R. L. HARRIS, MRS. MAX T. PAYNE, DR. M. L. STEVENS, ROBERT M. HANES.

REPORT OF SUPERINTENDENT

The Board of Directors of the North Carolina Sanatorium,
and of the Western North Carolina Sanatorium,
HONORABLE L. L. GRAVELY, *Chairman.*

GENTLEMEN:

It gives me pleasure to submit herewith a report of the operations of the North Carolina Sanatorium for the biennium ending June 30th, 1936, and a financial report of the expenditures to this date on the uncompleted Western North Carolina Sanatorium.

THE WESTERN NORTH CAROLINA SANATORIUM

The passage of the bill by the last General Assembly authorizing the establishment of the Western North Carolina Sanatorium was the outstanding event of the biennium in the program for the control of tuberculosis in the State. The bill was introduced by our Vice-Chairman, Hon. E. A. Rasberry. It was largely due to his efforts in the House and to the interest and strenuous activities of our Chairman, Hon. L. L. Gravely, in both the House and Senate that the bill was passed without a single dissenting vote in the Senate and with only one in the House. The securing of the Grant from the PWA authorities amounting to $245,454.00 was largely due to the untiring efforts of our Chairman, who made several trips to Washington, both before and after the successful passage of the bill. The total amount available for expenditure, including generous gifts from the Chamber of Commerce of the cities of Asheville and Black Mountain, is $349,954.00.

The contracts for the construction of the new institution were let on December 3rd, and it was expected that work would begin in two weeks, but a winter of unprecedented severity and duration prevented the beginning of construction until spring. On this account the institution will probably not be ready to receive patients until the spring of 1937. The plans provide for an administration building and a heating plant and laundry sufficient for four hundred patients, and a patients' building to accommodate a hundred sixty-four patients. Since the funds were not sufficient to build a nurses' home, it will be necessary to

use a part of one of the wings to house the nurses for the time being. The price of labor and of construction materials had advanced so much by the time the contracts could be let that it will be necessary for us to secure about $50,000.00 additional to complete the equipment.

The site for the Western North Carolina Sanatorium is one of the most beautiful in all of Western North Carolina. It is located on a knoll which is surrounded on all sides by magnificent mountain scenery, two and a half miles from Black Mountain and thirteen miles from Asheville. The Committee appointed to select the site, consisting of Mr. Kemp D. Battle of Rocky Mount as Chairman, Mr. E. V. Webb, Kinston, and of Dr. W. W. Sawyer, Elizabeth City, deserve especial credit for their untiring efforts to secure the most suitable site available.

ADDITIONS AND IMPROVEMENTS AT N. C. SANATORIUM

We were also deeply grateful for the appropriation by the last General Assembly of $95,150.00 for a surgical wing and for other minor additions here at the North Carolina Sanatorium. The contracts for these additions have not been let because we are still trying to secure a Grant from the PWA authorities to supplement this appropriation. If this Grant can be secured we will have available a total of $173,000.00, and this will enable us also to build an additional wing to our Negro building.

Some much needed improvements in our mechanical plant have been made during the biennium from our Additions and Betterments Maintenance Fund. We secured two practically new Skinner Engines and generators of 100 and 125 horsepower capacity at a very greatly reduced price and also secured from the University of North Carolina without charge two water tube boilers of 168 horsepower capacity each. These were all installed by our own engineer, Mr. R. S. Perry, and his assistants. These improvements and the installation of two automatic pulverizing units for firing of these boilers have increased the efficiency of our mechanical plant to such a degree that we can now be independent of commercial companies for our source of power and light. By reason of this fact we have secured a rate for our night load which reduces by more than one-half our power and light bill. We are transferring one of our replaced 90 horsepower engines and generators to the Western North Carolina Sanatorium, since it will be large enough to furnish light and current for this institution for the next few years.

During the past year we have also completed the installation of automatic sprinkling systems in the portion of our Main Building which is not fireproof and in the Negro unit. At the latter was also erected a 30,000 gallon tank, since otherwise the water pressure would not have been sufficient to secure the successful operation of the sprinkling system. The total cost of the tank and sprinkling systems was $10,001.62, of which $4,261.01 was secured as a Grant from the PWA authorities.

We especially wish to express our appreciation to Mr. R. M. Rothgeb, Engineer of the Budget Bureau, for planning and supervising the installation of the improvements in our mechanical plant.

NUMBER OF PATIENTS TREATED

In the four divisions of the North Carolina Sanatorium, white, children, Negro and prison, we treated a total of 1,127 patients during the first year of the biennium and 1,181 during the second year. The total hospital days were 165,737 for the first year and 173,033 for the second. Within the body of the report will be found statistical tables giving in detail the results of treatment and other facts of interest on the patients discharged during the biennium from the various divisions.

TRAINING SCHOOL FOR NURSES

The present arrangement by which we send all of our white nurses who have finished our two-year course to the Moore County Hospital, at Pinehurst, and our Negro nurses to the Lincoln Hospital, at Durham, for their third year is working out very satisfactorily. Under the capable direction of Miss Martha C. Newman and of Mrs. Carrie Broadfoot both training schools have done good work and our graduates are always in demand.

CHANGES IN PERSONNEL

There have been a number of changes in our medical staff. Dr. Thornton accepted a position in the X-ray Department of the Duke Hospital and Dr. Easom and Dr. Plyler accepted positions respectively as Director and Assistant Director of the newly established department of the Industrial Hygiene under the supervision of the State Board of Health and of the Industrial Commission. Dr. H. L. Seay and Dr. A. Papineau, the latter having been on our resident staff, took the positions formerly occupied by Drs. Easom and Thornton on our clinic staff. Dr. A. L. Ormond succeeded Dr. C. G. Milham, who re-

signed to go into private practice at Hamlet. Dr. J. S. Denholm was secured to take Dr. Plyler's place. Dr. W. L. Woodard, our dentist, resigned to accept a position with the State Board of Health and was succeeded by Dr. R. G. Wharton.

Mr. J. B. Womble, who has been our capable steward for several years, resigned, effective June 1st, 1936, so that he could devote more time to his orchard and farm. To take his place we secured Miss Carrie Toomer, who will also serve as dietitian and teach dietetics in our training school.

During the last two years the Rosenwald Fund has been paying for the services of an assistant Negro physician at our Negro unit, but they will not continue to do so after June, 1937. We feel that it is important to train Negro physicians as well as nurses who will be capable and interested in helping with the very serious Negro tuberculosis problems with which we are faced. After the Rosenwald Fund withdraws this aid we trust that the salary for a resident Negro assistant will be provided by the Budget. The first year this position was held by Dr. W. W. Solomon and the second by Dr. R. C. Hairston.

POST-GRADUATE COURSES FOR PHYSICIANS

We have felt that one of the most useful services which tuberculosis institutions can render is the offering of post-graduate courses for physicians who are interested in securing special training in tuberculosis. During the past few years quite a number of physicians have come for periods ranging from two weeks to six months. There are now scattered in most of the counties in the State approximately one hundred physicians who have learned how to give pneumothorax refills and most of these have learned the technique here at the Sanatorium. We have also continued the practice of taking four fourth-year medical students as student internes during the summer and we always have a large number of applications for these positions.

CLINIC WORK

There is an ever-increasing demand for the services of our clinic physicians in all parts of the State, both for school and for adult clinics. We are now more than two years behind with our requests. Heretofore we have been making a study of the school children of all ages. Since experience has taught us that very few active cases will be found in school children under twelve years of age we are planning in the future to study only

those twelve years or over, and in addition those under twelve who are known to have been exposed to tuberculosis and those who have suspicious symptoms. This plan will enable us to study the children in a larger number of counties each year. We are, of course, urging that the contacts of the positive reacting school children and that the contacts of all cases in the State found to have tuberculosis be given the tuberculin test and that a study be made of all the positive reactors.

Our out-patients clinic here at the Sanatorium has grown to such an extent that it is necessary for us to keep one of our three clinic physicians here at the Sanatorium all the time to conduct this clinic. We are greatly in need of two additional clinic physicians and an additional X-ray technician and a statistician.

PORTABLE FLUOROSCOPES

In our adult clinics we are now using portable fluoroscopes which obviate the necessity of making X-ray films on the great majority of the adults examined. With the new type of fluoroscopic screen and with a line focus X-ray tube a fluoroscopic examination is the most effective means of detecting pulmonary tuberculosis except that of making X-ray films. We find that experienced clinic physicians can detect a great majority of even minimal cases of tuberculosis examined by this method, many of which would be entirely missed by the most careful physical examination. It is not only much more accurate, but also more rapid. The fluoroscope enables us to examine more than twice as many in our adult clinics than formerly. On account of using a special hood it is not necessary to have a dark room and it is possible to use the fluoroscopic units wherever 110-volt alternating current is available. The whole fluoroscopic unit weighs less than two hundred pounds and no individual part of the equipment weighs more than seventy-five pounds. We are especially indebted to the officials of the S. & H. X-ray Company, of Atlanta, for their tireless efforts to develop for us the type of portable fluoroscope which we desired.

In our clinic work we have met with hearty coöperation on the part of the medical fraternity of the whole State, of the health officers and nurses, and also of the county school and welfare authorities. We have continued our policy of having the local community pay for the X-ray films of the positive reactors in our school clinics. The parents of the children pay

for the great majority. Many parent-teacher and other civic and charitable organizations have been most coöperative in providing the necessary funds to pay for the films of the other children.

The Negro Problem

Tuberculosis among Negroes is the most serious problem with which we have to deal. The death rate among Negroes is 3.2 times that of the whites. Although Negroes comprise only 28% of the population of North Carolina 53.7% of the tuberculosis deaths occur among Negroes.

Since Negroes are nurse maids, cooks, food handlers and personal servants in other capacities in the homes of the white population, their tuberculosis problem also vitally concerns the white people of our State, not only in a humanitarian sense, but also for their own safety. One of the greatest sources of infection among the whites is the Negro servant.

Negroes also ordinarily have a more acute form of the disease and it usually runs a more rapid course. The acute form is also much more contagious, so that practically all those living in the homes of Negro patients having tuberculosis become heavily infected and often whole families are rapidly wiped out by the disease. The greatly crowded and unhygienic conditions under which most Negroes have to live make it almost impossible for those who are sick to take sufficient precautions to keep from infecting the other members of the household. Such conditions make the shortage of beds for Negroes all the more tragic. There should be at least one sanatorium bed for each of the eleven hundred Negro deaths. Last year we increased our capacity by twenty-five by arranging to move the Negro children to the ground floor of our main building, but this gives us only one hundred fifty beds for Negroes, including the twenty-five beds at the prison division. In all of the county sanatoria in the State combined there are only one hundred nineteen other beds for Negro tuberculosis sufferers. We are running several months behind with our applications for both men and women Negro patients. As a result, more than 90% are in the advanced stage and many of them in a hopeless condition by the time they are admitted.

I am greatly indebted to Dr. S. M. Bittinger, the Assistant Superintendent and Associate Medical Director, to Mr. F. L.

Eubanks, our Purchasing Agent and Cashier, and to all of our physicians, nurses, and other employees for their capable and faithful services.

Both to the former and present members of the Board of Directors I wish to express my deep appreciation for inspiration, guidance and loyal support.

Respectfully yours,

P. P. McCAIN,

Supt. and Director of the Extension Dept.

TABLE NO. 1

GENERAL INFORMATION

1. Date of opening 1909

2. Plant:

Value of property:	
Functional	$ 105,198.00
Dormitories	809,500.00
Dining rooms	136,405.00
Recreational	1,558.00
Utilities	352,045.02
Farm and dairy	214,459.00
Total	$ 1,619,165.02

3. Total acreage of property owned	2,000	2,000
Additional acreage rented	None	None
Total acreage under cultivation	500	500

4. Officers and Employees Actually in Service at End of Year

	1935			1936		
	Male	Female	Total	Male	Female	Total
Administration:						
Superintendent	1	--------	1	1	--------	1
Cashier and Purchasing Officer	1	--------	1	1	--------	1
Assistant Cashier	1	--------	1	1	--------	1
Switchboard Operator	--------	1	1	--------	1	1
Professional Care and Treatment:						
Assistant Superintendent and Resident Physician	1	--------	1	1	--------	1
Assistant Physicians	3	--------	3	3	--------	3
Dentist	1	--------	1	1	--------	1
Laboratory and X-ray Technician	1	--------	1	1	--------	1
Assistant Laboratory and X-ray Technicians	1	1	2	1	1	2
Superintendent of Nurses	--------	1	1	--------	1	1
Graduate Nurses	--------	7	7	--------	7	7
Other Nurses and Attendants	--------	41	41	--------	41	41
Custodial Care:						
Steward	--------	1	1	--------	1	1
Housekeeper	--------	1	1	--------	1	1
Operation and Maintenance of Plant:						
Chief Engineer	1	--------	1	1	--------	1
Supervisor Buildings and Grounds	1	--------	1	1	--------	1
Agriculture:						
Farm Superintendent	1	--------	1	1	--------	1
Dairyman	1	--------	1	1	--------	1
Poultryman	1	--------	1	1	--------	1
All Other Employees	85	12	97	85	12	97
Total Officers and Employees	100	65	165	100	65	165
Average Daily Population	--------	--------	457	--------	--------	473
Normal Capacity	--------	--------	480	--------	--------	480

TABLE NO. 2

POPULATION MOVEMENT

1934-1935

	Total	White Adults			White Children			Negroes*			Prisoners
		Men	Women	Total	Boys	Girls	Total	Male	Female	Total	
1. Patients in Hospital at beginning of year	442	107	163	270	17	20	37	53	49	102	33
Admissions During Year:											
2. New Admissions	603	123	205	328	29	31	60	74	83	157	58
3. Readmissions	55	20	19	39	1	2	3	3		3	10
4. Total Admissions	658	143	224	367	30	33	63	77	83	160	68
Separations During Year:											
5. Apparently Arrested	80	10	18	28	17	33	50	1		1	1
6. Quiescent	77	38	33	71	2	1	3	1		1	2
7. Improved	261	67	119	186				28	34	62	13
8. Unimproved	91	13	14	27	1		1	22	29	51	12
9. Died	37	2	6	8				15	4	19	10
10. Not Classified											
11. Not Tuberculous	80	15	32	47	2	3	5	7	5	12	16
12. Total Separations	626	145	222	367	22	37	59	74	72	146	54
13. Patients in Hospital at end of year	474	105	165	270	25	16	41	56	60	116	47
14. Average Daily Population	457										
15. Normal Capacity	480										

*Includes Negro children as well as Adults.

TABLE NO. 2 (Continued)

POPULATION MOVEMENT

1935-1936

	Total	White Adults			White Children			Negroes*			Prisoners
		Men	Women	Total	Boys	Girls	Total	Male	Female	Total	
1. Patients in Hospital at beginning of year	474	105	165	270	25	16	41	56	60	116	47
Admissions During Year:											
2. New Admissions	628	127	203	330			69	77	89	166	63
3. Readmissions	69	20	28	48			2	3	4	7	12
4. Total Admissions	697	147	231	378	36	35	71	80	93	173	75
Separations During Year:											
5. Apparently Arrested	135	17	23	40	37	25	62	7	18	25	8
6. Quiescent	129	20	52	72		1	1	19	27	46	10
7. Improved	263	93	120	213				19	13	32	18
8. Unimproved	73	9	11	20				18	21	39	14
9. Died	40	3	4	7				11	8	19	14
10. Not Classified	1							1		1	
11. Not Tuberculous	60	10	21	31	4	3	7	5	3	8	14
12. Total Separations	701	152	231	383	41	29	70	80	90	170	78
13. Patients in Hospital at end of year	470	100	165	265	20	22	42	56	63	119	44
14. Average Daily Population	473										
15. Normal Capacity	480										

*Includes Negro children as well as adults.

SUMMARY OF TWO YEAR'S WORK

July 1, 1934—June 30, 1936

Extension Department

			1934-1935	1935-1936
Letters and postals received			18,429	18,475
Individual letters written			15,867	82,988
Mimeographed letters mailed			919	660
Mimeographed forms prepared			51	32
Number of copies mimeographed			78,884	92,106
Articles written (approx.-no.-words):				
Press	11,300	10,270		
Other publications	21,800			
Sanatorium Sun	180,850	194,500		
			213,950	204,770
Copies Sanatorium Sun mailed			34,200	34,200
Articles copied (approximate number of words)			67,254	114,350
Patients' histories written			570	631
Approximate number of words in patients' histories			855,000	946,500
Envelopes addressed			22,325	24,383
Enclosures sent out			7,597	14,128
Blank cards for reporting cases of tuberculosis			1,050	
Number of cases reported: (Since 1935 all cases of tuberculosis have been reported to State Board of Health, Raleigh).				
White	1,164			
Colored	1,026			
Indian	5			
			2,195	
Literature sent to reported cases			1,150	
Other literature sent out			8,678	16,239
Sputum cups distributed			172,000	171,600
Tuberculin sent physicians			4,337	8,965
X-ray films sent in for interpretation			1,152	1,996
Report of phrenic operations			130	119
Report of pneumolyses			5	3

REPORT OF P. P. McCAIN, M. D.

	1934-1935	1935-1936
Days out of office	23	47
Addresses delivered	38	18
Number in audience	6,105	4,495

REPORT OF ADULT TUBERCULOSIS CLINICS

Drs. H. F. Easom, C. D. Thomas, W. F. Thornton and A. Papineau, Clinic Physicians

	1934-1935	1935-1936	1934-1935	1935-1936	Total
Number of addresses delivered			14	26	40
Total audience			1,420	2,234	3,654
	1934-1935	1935-1936			
New positive cases	76	207			
Previously diagnosed positive	195	292			
Probable	43	18			
Doubtful	233	56			
Negative	1,047	2,705			
			1,594	3,278	4,872
Number of white examinations	1,334	2,866			
Number of Indian examinations	34	----------			
Number of colored examinations	226	592			
			1,594	3,278	4,872

REPORT OF CHILDREN'S TUBERCULOSIS CLINIC

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities, During School Sessions 1926—1936.

RESULT OF TUBERCULIN TEST

(0.1 c.c. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	216,849	43,620	459	260,928
Number positive reactors	31,867(14.6%)	8,625(19.7%)	115(25.05)	40,607(15.5%)

RESULTS OF THE STUDY OF 32,920 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of chest	----------	----------	32,920
Number of reactors diagnosed as having tuberculosis	----------	4,154	
White	3,120		
Colored	1,002		
Indian	32		
Childhood type (first infection)	3,784		
Adult type (reinfection)	206		
Childhood and adult type	122		
Extra-pulmonary	33		
Extra-pulmonary and adult type	6		
Extra-pulmonary and childhood type	3		
Number of reactors classified as suspicious	----------	3,279	
Number of reactors classified as having no demonstrable tuberculosis	----------	25,487	

REPORT OF CHILDREN'S TUBERCULOSIS CLINIC

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities, During School Sessions 1934-35 and 1935-36.

RESULT OF TUBERCULIN TEST

(0.1 c.c. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	68,345	16,441	33	*84,819
Number positive reactors	9,711(14.2%)	3,615(21.9%)	10 (33.3%)	13,336(15.7%)

RESULT OF THE STUDY OF 10,103 REACTORS HAVING X-RAYS

RACE	No. Having X-Rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	%	Number	%	Number	%
White	7,852	1,074	13.7	436	5.6	6,342	80.8
Negro	2,241	312	13.8	133	5.9	1,796	80.3
Indian	10	1	10.0			9	90.0
Total	10,103	1,387	13.7	569	5.7	8,147	80.6

Childhood or primary type lesions	1,280
Adult or re-infection type lesions	57
Childhood and adult type lesions	42
Extra-pulmonary	6
Extra-pulmonary and childhood type lesions	2
Total	1,387

*22,686 of these were given tuberculin test by local health officers, the X-rays and their interpretations were made by staff of Extension Department of North Carolina Sanatorium.

WHITE DIVISION

MEDICAL REPORT

July 1934—July 1936

Statistical

	1934-1935	1935-1936	Total
Number of patients to be reported on (discharged)	319	352	671
Number not classified	7	8	15
Number not tuberculous	47	31	78
Number of patients in Sanatorium July 1	270	265	535
Total number of patients treated	643	656	1,299
Hospital days	99,167	98,714	197,881

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1934-1936

CONDITION ON ADMISSION					CONDITION ON DISCHARGE									
					Apparently Arrested		Quiescent		Improved		Unimproved		Died	
	1934-35		1935-36		1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936
Minimal	24	A 4		A 10	3	8		1	1	1				
		B 3		B 7	2	5			1	1		1		
		C 0		C 0										
Moderately Advanced	47	A 3		A 9	1	1	1	4	1	4				
		B 17		B 18	1		3	3	10	14	3	1		
		C 0		C 0										
Far Advanced	70	A 0		A 0										
		B 16		B 27				1	12	24	2	2	2	
		C 13		C 14					4	9	8	5	1	
Total	141	56		85	7	14	4	9	29	53	13	9	3	

	1934-35	1935-36		1934-35	1935-36		1934-35	1935-36
Total number of days	2,713	4,158	Average stay	48.45	48.9	Shortest stay	3	4

Number gained weight: **1934-35** 36: **1935-36** 52

Number lost weight: **1934-35** 10: **1935-36** 20

	1934-35	1935-36		1934-35	1935-36
Average gain	5.54	5.39	Average loss	3.8	3.08
Stationary	2	3	Not weighed	8	10

PATIENTS WHO STAYED NINETY DAYS OR OVER
1934-1936

CONDITION ON ADMISSION				CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
	1934-35		1935-36	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936
Minimal	50	A 12	A 17	10	14	1	2	1	1				
		B 8	B 13	7	11	1	2						
		C 0	C 0										
Moderately Advanced	207	A 28	A 18	1		18	9	9	9				
		B 78	B 80	1		33	31	42	46	2	2		1
		C 0	C 3						1		1		1
Far Advanced	269	A 0	A 3				1		2				
		B 107	B 107			14	15	84	85	6	3	3	4
		C 27	C 25				3	19	16	6	5	2	1
Childhood Tuberculosis	2	1	1	1	1								
Extra-pulmonary	2	2		1				1					
Total	530	263	267	21	26	67	63	156	160	14	11	5	7

	1934-35	1935-36
Total number of days	104,453	96,629
Average stay	397	361.9
Longest stay	2,011	2,195

Number gained weight: **1934-35** 206: **1935-36** 205

Number lost weight: **1934-35** 48: **1935-36** 59

	1934-35	1935-36
Average gain	13.58	15.5
Stationary	5	3
Average loss	9.7	7.09
Not weighed	4	0

HISTORY OF HEMORRHAGE

		1934-35	1935-36
Negative		163	171
Positive	Previous	131	165
	Previous and during residence	15	12
	During residence only	10	4

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		127	159
Positive	On admission	156	166
	During residence	130	126
	On discharge	67	78

SEX, AGE AND CIVIL CONDITION

SEX		AGE						CIVIL CONDITION			
		1934-1935									
		11-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Widowed	Divorced
Male	133										
Female	186	26	141	89	37	20	6	124	187	6	2
Total	319										
						1935-1936					
Male	142										
Female	210	34	150	100	42	22	4	125	198	24	5
Total	352										

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	3
Adenitis (tracheobronchial)	23
Anal fistula	13
Coxalgia (hip)	1
Empyema	3
Enteritis	35
Epididymitis	4
Hydro-pneumothorax	10
Keratitis	1
Laryngitis	117
Nephritis	3
Osteitis	1
Pleurisy with effusion	35
Spontaneous pneumothorax	5

NON-TUBERCULOUS COMPLICATIONS

Abscess (alveolar)	5
Acne	11
Anemia (secondary)	22
Ankylosis	1
Arteriosclerosis	1
Arthritis	11
Asthma (bronchial)	4
Atrophy of muscle	1
Atrophy of testicle	2
Blepharitis	3
Blindness (partial)	7
Bronchiectasis	5
Bronchitis	1
Broncho-pneumonia	1
Carious teeth	112
Cholecystitis	1
Colitis	1
Cystitis	1
Deafness (partial)	4
Diabetes mellitus	2
Diseased tonsils	79
Dysmenorrhea	9
Endocarditis	2
Endocervicitis	3
Epididymitis	1
Epilepsy	1
Epitheloma	1
Erosion of cervix	1
Ganglion (wrist)	1
Gastric Ulcer	1
Gastroptosis	1
Goitre	4
Gonorrhea	1
Harelip	1
Hemorrhoids	11
Hernia	7
Hookworm	37
Hypertension	9
Laceration of cervix	4
Laceration of perineum	11
Lues	3
Malaria	1
Migraine	1
Mitral regurgitation	2
Mitral stenosis	1
Myocarditis	4
Nephritis	7
Neuritis	1
Otitis media	34
Paralysis (partial)	4
Pellagra	5
Pelvic cellulitis	2
Pes planus	1
Pharyngitis	7
Phlebitis	1
Pneumonitis	3
Psychoneurosis	1
Psychosis	1
Ptosis (kidney)	2
Pterygium	1
Pyorrhea	129
Renal calculi	3
Retroversion of uterus	19
Ringworm infection	2
Rhinitis	46
Sciatica	2
Scoliosis	3
Sinusitis	17
Spermatocele	1
Stomatitis	1
Strabismus	4
Tapeworm infection	2
Ulcer (nasal septum)	2
Urticaria	3
Uterine Fibroid	2
Varicocele	2
Varicose veins	3

OCCUPATIONS

Architect	1
Attendants	3
Baker	1
Banking	2
Barber	4
Beauty Culture	2
Boarding house	1
Bookkeeper	6
Brick mason	4
Bus driver	1
Butcher	3
Cabinet maker	2
Cafe operator	1
Carpenter	4
Case worker (welfare)	1
Cashier	1
Clerical	8
Clerk	22
Contractor	1
Cook	2
Dentist	1
Druggist	4
Dye work	1
Electrician	5
Engineer	1
Farmer	81
Fireman	1
Filling station operator	2
Factory (tobacco)	1
Grist mill	1
Housewives	246
Inspector	1
Insurance	5
Kitchen supervisor	1
Laborer	8
Laundry	1
Lawyer	2
Machinist	3
Mail carrier	1
Merchant	3
Mill work	102
Minister	2
Moulder	1
Musician	2
Nurses	25
Painter	1
Physician	1
Plumber	1
Printer	1
Prize fighter	1
Railroad clerk	4
Salesman	10
Sawmill	1
Seamstress	1
Section Foreman	1
Steam fitting	1
Stenographer	8
Steward	1
Students	50
Teacher	8
Telephone operator	2
Theatre	2
Tobacco buyer	1
Trainman	1
Truck driver	2
Veneer plant	1
Watch maker	1

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1934—June 30, 1936

	Children		White		Colored		Prison		Total	
	34-35	35-36	34-35	35-36	34-35	35-36	34-35	35-36	34-35	35-36
July	44	49	196	254	34	23	12	22	286	348
August	46	46	195	244	25	31	10	16	276	337
September	54	67	243	181	20	19	14	23	331	290
October	22	36	202	203	17	14	14	16	255	269
November	26	29	172	201	9	18	14	18	221	266
December	32	28	141	137	38	31	14	17	225	213
January	34	22	147	129	5	10	13	22	199	183
February	26	19	144	146	13	82	13	27	196	274
March	37	43	220	236	26	36	14	23	297	338
April	29	73	234	214	17	17	24	25	304	329
May	47	63	279	237	17	34	20	26	363	360
June	46	68	222	304	17	34	21	19	306	425
Total	443	543	2,395	2,486	238	349	183	254	3,259	3,632

CLASSIFICATION

Positive diagnosis	73	75	309	312	79	98	54	62	515	547
Negative diagnosis	322	383	1,070	1,093	121	209	108	157	1,621	1,842
Re-examinations	48	85	1,016	1,081	38	42	21	35	1,123	1,243
Total	443	543	2,395	2,486	238	349	183	254	3,259	3,632

SUMMARY OF MEDICAL REPORT

July 1, 1934—July 1, 1936

	1934-35	1935-36	Total
Patients admitted:			
Minimal	38	51	89
Moderately advanced	104	127	231
Far advanced	178	170	348
Childhood tuberculosis	5	3	8
Not tuberculous	35	18	53
Not classified	7	8	15
Total	367	377	744
Patients discharged:			
Apparently arrested	28	40	68
Quiescent	71	72	143
Improved	185	213	398
Unimproved	27	20	47
Died	8	7	15
Total	319	352	671

REPORT OF X-RAY LABORATORY

July 1, 1934—June 30, 1936

	White	Colored	Prison	Total
Stereoroentgenograms of chest, Sanatorium patients	816	293	101	1,210
Stereoroentgenograms of chest, Sanatorium clinic patients	1,141	82		1,223
Stereoroentgenograms of chest, Children's clinics	66	4		70
Double Roentgenograms of chest, Sanatorium patients	131	42		173
Double Roentgenograms of chest, Sanatorium clinic patients	741	88		829
Double Roentgenograms of chest, Children's clinics	5,157	1,097		6,254
Single Roentgenograms of chest, Sanatorium patients	1,533	463	240	2,236
Single Roentgenograms of chest, Sanatorium clinic patients	1,525	132		1,735
Single Roentgenograms of chest, Adult clinics	3,493	1,216		4,709
Miscellaneous X-rays	503	32	22	557
Total	15,425	3,508	457	19,390
X-ray treatments	84	37	5	126

LABORATORY REPORT

	White	Colored	Prison	Total
Sputanalyses:				
Micro	6,539	2,293	672	9,504
Chem.	1,386	525	126	2,037
Culture	1	3		4
Total	7,926	2,821	798	11,545
Urinalyses:				
Micro	1,680	413	143	2,236
Chem	4,184	413	144	4,741
Total	5,864	826	287	6,977
Blood:				
W. B. C.	1,244	372	150	1,766
R. B. C.	1,121	363	143	1,627
Hemoglobin	1,128	363	143	1,634
Color index	1,110	363	143	1,616
Differential count	1,223	370	150	1,743
Kahn	372	147	60	579
Wassermann	609	441	95	1,145
Malaria	37			37
Urea	36	1		37
Widal	7			7
Sedimentation	623	812	104	1,539
Sugar	3	1		4
Undulant fever	4	2		6
Culture	1			1
Van den Berg		1		1
Coagulation		1		1
Total	7,519	3,236	988	11,743

	White	Colored	Prison	Total
Feces	1,022	283	115	1,420
Gastric	24	1	1	26
Phthalein	38	4		42
Pleural fluid	104	46	19	169
Basal metabolic rate	55	5	1	61
Bacteriological	88	142	4	234
Spinal fluid	6	7	6	19
Peritoneal fluid	6	1		7
Icterus index		1		1
Autopsy		3	2	5
Total	1,343	493	148	1,984

Milk: Bacterial count	12
Total examinations and tests	32,261

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Legion, Jackson	1
American Legion, Raleigh	1
American Red Cross, Hertford	1
Board of County Commissioners, Bladen	1
Board of County Commissioners, Buncombe	1
Board of County Commissioners, Burke	8
Board of County Commissioners, Carteret	1
Board of County Commissioners, Caswell	1
Board of County Commissioners, Cleveland	5
Board of County Commissioners, Columbus	1
Board of County Commissioners, Duplin	5
Board of County Commissioners, Franklin	1
Board of County Commissioners, Gaston	41
Board of County Commissioners, Gates	1
Board of County Commissioners, Halifax	4
Board of County Commissioners, Haywood	1
Board of County Commissioners, Henderson	1
Board of County Commissioners, Hoke	2
Board of County Commissioners, Hyde	2
Board of County Commissioners, Johnston	1
Board of County Commissioners, Lenoir	1
Board of County Commissioners, Lincoln	5
Board of County Commissioners, Martin	1
Board of County Commissioners, Northampton	2
Board of County Commissioners, Onslow	1
Board of County Commissioners, Orange	4
Board of County Commissioners, Pasquotank	2
Board of County Commissioners, Person	2
Board of County Commissioners, Rockingham	1
Board of County Commissioners, Rowan	8
Board of County Commissioners, Sampson	2
Board of County Commissioners, Scotland	2
Board of County Commissioners, Stanly	6
Board of County Commissioners, Surry	4
Board of County Commissioners, Union	3
Board of County Commissioners, Washington	2
Caswell Training School, Kinston	1
Charity Organization Society, Goldsboro	12
Charity Organization Society, Raleigh	2
Children's Home, Winston-Salem	2
Community Service League, Kinston	3
Kiwanis Tuberculosis Clinic, Rocky Mount	1
Mansfield Mill, Inc., Lumberton	1
Masonic Orphanage, Oxford	1
Men's Club, Kings Mountain	1
Moore County Health and Welfare Assn., Mrs. T. A. Cheatham, Secy.	3
Mutual Aid Association, Draper	6

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Pomona Mill, Pomona	1
Presbyterian Orphanage, Barium Springs	2
Public Welfare, Albemarle	1
Public Welfare, Asheboro	3
Public Welfare, Asheville	14
Public Welfare, Bakersville	3
Public Welfare, Burlington	2
Public Welfare, Concord	7
Public Welfare, Durham	30
Public Welfare, Erwin	1
Public Welfare, Germantown	4
Public Welfare, Goldsboro	15
Public Welfare, Greensboro	1
Public Welfare, Greenville	8
Public Welfare, Kinston	2
Public Welfare, Lenoir	3
Public Welfare, Lexington	11
Public Welfare, Lillington	6
Public Welfare, Lumberton	2
Public Welfare, Mocksville	2
Public Welfare, Nashville	4
Public Welfare, New Bern	2
Public Welfare, Newton	11
Public Welfare, Oxford	1
Public Welfare, Raleigh	3
Public Welfare, Reidsville	8
Public Welfare, Rutherfordton	2
Public Welfare, Smithfield	1
Public Welfare, Statesville	1
Public Welfare, Tarboro	1
Public Welfare, Wadesboro	1
Public Welfare, Warrenton	1
Public Welfare, Washington	3
Public Welfare, Wilkesboro	1
Public Welfare, Williamston	1
Public Welfare, Wilmington	1
Public Welfare, Wilson	10
Roanoke Mills, Roanoke Rapids	4
Social Service, Winston-Salem	1
Tuberculosis Association, Concord	6
Tuberculosis Association, Statesville	1
Tuberculosis Association, Wilson	1
Tuberculosis Seal Sale Committee, coöperating with Woman's Club, Raleigh	2
United Daughters of the Confederacy	3

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. H. E. Bowman, Aberdeen.
Mr. Frederick S. Smith, Southern Pines.
Mrs. J. L. Given, Pinehurst.
Miss Edith G. Moses, Merchantville, N. J.
Girls' Auxiliary, Southern Pines.
Rev. H. Alligood, Fayetteville.
United Daughters of the Confederacy, Winston-Salem.
United Daughters of the Confederacy, Lumberton.
Mrs. F. McP. McIntyre, Fayetteville.

Cash Donation:

Mr. J. P. Cavin, Mooresville.

Miscellaneous Gifts:

United Daughters of the Confederacy, Junior Chapter, Asheville.
Aberdeen Garden Club, Aberdeen.
Mrs. J. A. Bizzell, Kinston.
Miss Vera McLean, Pittsburgh, Pa.
Miss Anne Wilson Mebane, Chapel Hill.
Methodist Sunday School, Aberdeen.
Mrs. J. L. Given, Manchester, Vermont.
Mr. W. H. Hallen, Wilmington.
Samarcand Manor, Eagle Springs.
Mrs. K. W. Burt, Southern Pines.
Seventh Grade Pupils, Clayton.

Flowers and Bulbs:

Mrs. Cloud, Hamlet.

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1934-1935	1935-1936	Total
Number of patients to be reported on (discharged)	54	63	117
Number not classified	7	2	9
Number not tuberculous	5	7	12
Number of patients in Sanatorium July 1	41	42	83
Total number of patients treated	107	114	221
Hospital days	14,958	13,514	28,472

SUMMARY MEDICAL REPORT

			1934-1935	1935-1936	Total
Patients admitted:					
Adult type tuberculosis			7	5	12
	1934-1935	1935-1936			
Minimal	4	4			
Moderately advanced	2	1			
Far advanced	1	0			
Childhood type			45	62	107
Extra-pulmonary			1	----------	1
Not tuberculous			3	2	5
Not classified			7	2	9
Total			63	71	134
Patients discharged:					
Apparently healed			50	62	112
Apparently inactive			3	1	4
Unimproved			1	----------	1
Total			54	63	117

SEX AND AGE

	1934-1935	1935-1936	Total
Sex:			
Male	24	37	61
Female	30	26	56
Total	54	63	117
Age:			
3 to 9 years	32	36	68
10 to 15 years	22	27	49
Total	54	63	117

TUBERCULOUS COMPLICATIONS

Adenitis (tracheobronchial)	10
Pleurisy with effusion	1
Peritonitis	1

NON-TUBERCULOUS COMPLICATIONS

Carious teeth	6
Congenital heart disease	1
Diseased tonsils	38
Dwarf Tapeworm	1
Hookworm disease	7
Impetigo	1
Inguinal hernia	1
Otitis media	2
Pediculosis	1
Phimosis	1
Pneumonitis	3
Secondary anemia	1
Strabismus (internal)	1
Rhinitis (chronic)	1
Round worm infection	3

NEGRO DIVISION

MEDICAL REPORT

Statistical

	1934-1935	1935-1936	Total
Number of patients to be reported on (discharged)	134	161	295
Number not classified	8	7	15
Number not tuberculous	12	8	20
Number of patients in Sanatorium July 1	116	119	235
Total number of patients treated	270	295	565
Hospital days	39,334	43,549	82,883

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1934-1936

CONDITION ON ADMISSION					CONDITION ON DISCHARGE									
					Apparently Arrested		Quiescent		Improved		Unimproved		Died	
	1934-35		1935-36		1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936	1934-1935	1935-1936
Minimal	3	A 0		A 1		1								
		B 1		B 1				1			1			
		C 0		C 0										
Moderately Advanced	2	A 0		A 0										
		B 2		B 0							2			
		C 0		C 0										
Far Advanced	57	A 0		A 0										
		B 5		B 12				1		1	4	5	1	5
		C 24		C 16					1	1	17	10	6	5
Childhood Tuberculosis	4	1		3		1			1	1		1		
Total	66	33		33		2		2	2	3	24	16	7	10

	1934-35	1935-36		1934-35	1935-36		1934-35	1935-36
Total number of days	1,079	1,459	Average stay	32.7	44.2	Shortest stay	5	9

Number gained weight: **1934-35** 12; **1935-36** 14

Number lost weight: **1934-35** 13; **1935-36** 13

	1934-35	1935-36		1934-35	1935-36
Average gain	4.4	5.38	Average loss	6.25	5.42
Stationary	4	4	Not weighed	4	2

PATIENTS WHO STAYED NINETY DAYS OR OVER

1934-1936

CONDITION ON ADMISSION	1934-35		1935-36	CONDITION ON DISCHARGE: Apparently Arrested 1934-1935	Apparently Arrested 1935-1936	Quiescent 1934-1935	Quiescent 1935-1936	Improved 1934-1935	Improved 1935-1936	Unimproved 1934-1935	Unimproved 1935-1936	Died 1934-1935	Died 1935-1936
Minimal	14	A 5	A 3	1			3	4					
		B 1	B 5		1		3		1	1			
		C 0	C 0										
Moderately Advanced	63	A 1	A 8		5		3	1					
		B 16	B 35		10		11	11	8	3	5	2	1
		C 2	C 1				1	2					
Far Advanced	133	A 0	A 2				1		1				
		B 45	B 50		4		12	24	13	17	14	4	7
		C 21	C 15		1	1	5	8	4	6	4	6	1
Childhood Tuberculosis	19	10	9		2		5	10	2				
Total	229	101	128	1	23	1	44	60	29	27	23	12	9

	1934-35	1935-36
Total number of days	23,242	43,275
Average stay	349	338
Longest stay	1,074	1,133

Number gained weight: **1934-35** 75; **1935-36** 98

Number lost weight: **1934-35** 22; **1935-36** 28

	1934-35	1935-36
Average gain	16.85	19.29
Stationary	2	2
Average loss	13.57	13.69
Not weighed	2	0

HISTORY OF HEMORRHAGE

		1934-35	1935-36
Negative		88	107
Positive	Previous only	37	44
	Previous and during residence	9	9
	During residence only	0	1

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		40	66
Positive	On admission	78	81
	During residence	66	63
	On discharge	46	40

SEX, AGE AND CIVIL CONDITION

SEX		AGE						CIVIL CONDITION			
		1934–1935									
		3-9	10-19	20-29	30-39	40-49	50-65	Single	Married	Widowed	Divorced
Male	66										
Female	68	8	32	62	22	8	2	77	47	10	0
Total	134										
		1935–1936									
Male	74										
Female	87	6	35	75	32	8	5	89	67	5	0
Total	161										

OCCUPATIONS

1934-1936

Barber	1
Beauty parlor	2
Butler	1
Cafe	1
Chauffeur	1
Clerk	1
Cooks	17
Dry cleaner	3
Elevator operator	1
Farmer	68
Filling station	1
Fireman	1
Garage	1
Housework	56
Insurance	1
Janitor	2
Laborers	22
Laundress	5
Maids	11
Mechanic	3
Mill work	16
Minister	1
Musician	1
Orderly	1
Plumber	1
Porter	2
Printer	1
Sawmill	1
Student	61
Teacher	5
Truck driver	4
Undertaker	1
Waiter	1

TUBERCULOUS COMPLICATIONS

Abscess (cold)	1
Adenitis (cervical)	10
Adenitis (tracheobronchial)	16
Adenitis (peritoneal)	1
Anal fistula	9
Empyema	2
Enteritis	20
Hydro-pneumothorax	2
Laryngitis	48
Meningitis	2
Osteitis	1
Pericarditis with effusion	1
Peritonitis	7
Pleural fistula	1
Pleurisy with effusion	28
Pott's disease	1
Pyo-pneumothorax	1

NON-TUBERCULOUS COMPLICATIONS

Abscess (alveolar)	1
Acne	1
Adenomatous thyrotoxicosis	1
Amputation of foot	1
Anemia (secondary)	17
Arthritis	2
Atrophy of testicle	1
Blepharitis	1
Blindness (complete)	1
Blindness (partial)	2
Carious teeth	91
Cervicitis	13
Chancroid	1
Conjunctavitis	2
Cystic ovary	2
Cystocele	1
Deafness (complete)	3
Deafness (partial)	2
Detached iris	1
Diabetes mellitus	1
Diastasis	1
Diseased tonsils	26
Eczema	2
Endocarditis	1
Endocervicitis	13
Equino Varris	1
Erosion of cervix	9
Gastric ulcer	1
Gingivitis	4
Goitre	2
Gonorrhea	4
Hemorrhoids	18
Hernia	5
Hookworm	5
Hypertension	1
Hyperthyroidism	1
Laceration of cervix	5
Laceration of perineum	4
Lipoma	1
Lues	37
Mitral regurgitation	4
Myocarditis	1
Nephritis	2
Oöphritis	1
Osteomyelitis	2
Otitis media	3
Pharyngitis	4
Phimosis	1
Pneumonitis	1
Psychosis	2
Pyelitis	1
Pyorrhea	62

NON-TUBERCULOUS COMPLICATIONS—Continued

Rectocele	1	Sebaceous cyst	1
Recto-vaginal fistula	1	Sinusitis	1
Retroflexion of uterus	1	Strabismus	2
Retroversion of uterus	14	Tapeworm infection	1
Rhinitis	4	Urethritis	1
Roundworm infection	1	Uterine fibroid	4
Salpingitis	3	Visceroptosis	1
Scoliosis (dorsal)	1	Yeast infection	1

SUMMARY MEDICAL REPORT

	1934-1935	1935-1936	Total
Patients admitted:			
Minimal	10	8	18
Moderately advanced	41	32	73
Far advanced	81	102	183
Childhood tuberculosis	12	9	21
Not tuberculous	8	5	13
Not classified	8	7	15
Total	160	163	323
Patients discharged:			
Apparently arrested	1	25	26
Quiescent	1	46	47
Improved	62	32	94
Unimproved	51	39	90
Died	19	19	38
Total	134	161	295

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Associated Charities, Winston-Salem	9
Board of County Commissioners, Bladen	3
Board of County Commissioners, Brunswick	2
Board of County Commissioners, Caswell	1
Board of County Commissioners, Cleveland	2
Board of County Commissioners, Cumberland	1
Board of County Commissioners, Currituck	1
Board of County Commissioners, Duplin	3
Board of County Commissioners, Franklin	3
Board of County Commissioners, Gaston	6
Board of County Commissioners, Gates	1
Board of County Commissioners, Guilford	1
Board of County Commissioners, Hoke	1
Board of County Commissioners, Lincoln	3
Board of County Commissioners, Montgomery	1
Board of County Commissioners, Northampton	1
Board of County Commissioners, Pasquotank	1
Board of County Commissioners, Person	1
Board of County Commissioners, Robeson	1
Board of County Commissioners, Rockingham	1
Board of County Commissioners, Rowan	1
Board of County Commissioners, Scotland	3
Board of County Commissioners, Stanly	2

Board of County Commissioners, Surry	1
Board of County Commissioners, Union	4
Board of County Commissioners, Washington	1
Charity Organization Society, Goldsboro	6
Emergency Relief Department, Rocky Mount	1
Kiwanis Tuberculosis Clinic, Rocky Mount	4
Moore County Health and Welfare Assn., Mrs. T. A. Cheatham, Secy.	16
Masonic Orphanage, Oxford	1
Public Welfare, Asheville	1
Public Welfare, Burlington	2
Public Welfare, Chapel Hill	2
Public Welfare, Charlotte	1
Public Welfare, Concord	2
Public Welfare, Durham	29
Public Welfare, Edenton	1
Public Welfare, Goldsboro	4
Public Welfare, Greensboro	5
Public Welfare, Greenville	3
Public Welfare, Hendersonville	1
Public Welfare, Kinston	1
Public Welfare, Lexington	1
Public Welfare, Lillington	2
Public Welfare, Louisburg	1
Public Welfare, Lumberton	3
Public Welfare, Marion	1
Public Welfare, Nashville	2
Public Welfare, New Bern	3
Public Welfare, Oxford	4
Public Welfare, Raleigh	1
Public Welfare, Reidsville	1
Public Welfare, Rockingham	7
Public Welfare, Salisbury	2
Public Welfare, Snow Hill	1
Public Welfare, Wadesboro	6
Public Welfare, Warrenton	1
Public Welfare, Washington	1
Public Welfare, Wilmington	1
Public Welfare, Wilson	7
Public Welfare, Yanceyville	1
Tuberculosis Association, Chapel Hill	4
Tuberculosis Association, Statesville	1
Tuberculosis Association, Wilson	4
Young Woman's Business Club, Roxboro	1

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Cash:

Mrs. W. Fownes, Pinehurst.
Mr. Chapin, Pinehurst.
Dr. W. B. Hooks, Tarboro.
Mr. H. S. Sorrell, Rocky Mount.

Books and Magazines:

Mrs. J. Jordan, Southern Pines.
Miss Phillips, Southern Pines.
William Butler, Aberdeen.
Mrs. McCormick, Roxbury, Mass.

Miscellaneous:

Miss Wylie, Aberdeen.
Strawbridge & Clothiers, Philadelphia.
Mrs. T. A. Cheatham, Pinehurst.
Mrs. Mary Holiday, Statesville.

PRISON DIVISION

MEDICAL REPORT

1934-1936

	1934-1935	1935-1936	Total
Number of patients to be reported on (discharged)	38	64	102
Number not classified	6	3	9
Number not tuberculous	16	14	30
Number of patients in Sanatorium July 1	47	44	91
Total number of patients treated	107	125	232
Hospital days	12,278	17,256	29,534

SUMMARY MEDICAL REPORT

	1934-1935	1935-1936	Total
Patients admitted:			
Minimal	5	7	12
Moderately advanced	11	27	38
Far advanced	34	35	69
Extra-pulmonary	1		1
Childhood tuberculosis		4	4
Not tuberculous	11	9	20
Not classified	6	3	9
Total	68	85	153
Patients discharged:			
Apparently arrested	1	8	9
Quiescent	2	10	12
Improved	13	18	31
Unimproved	12	14	26
Died	10	14	24
Total	38	64	102

NORTH CAROLINA SANATORIUM

SANATORIUM, N. C.

FINANCIAL REPORT

FOR THE TWO YEARS ENDED JUNE 30, 1936.

EXHIBIT "A"

Revenues and Expenditures

PERMANENT IMPROVEMENT FUND

For the Two Years Ended June 30, 1935 and 1936

	Fiscal Year 1934-1935	Fiscal Year 1935-1936
REVENUES		
Unexpended balance June 30, 1934	$ 24,988.81	
Unexpended balance June 30, 1935		$ 14,843.81
Balance allotment June 30, 1935		10,145.00
Institutional receipts		492.17
	$ 24,988.81	$ 25,480.98
EXPENSES		
Buildings		$ 1,608.56
Equipment		10,001.62
		$ 11,610.18
Unexpended balance—State Auditor's Records	$ 24,988.81	$ 13,870.80

EXHIBIT "A"—1

Revenues and Expenditures

EXTENSION FUND

For the Two Years Ended June 30, 1935 and 1936

	Fiscal Year 1934-1935	Fiscal Year 1935-1936
REVENUES		
Appropriation	$ 15,780.00	$ 20,225.00
Institutional receipts	96.50	40.00
	$ 15,876.50	$ 20,265.00
EXPENSES		
Salaries and Wages	$ 8,357.20	$ 10,232.64
Supplies and Materials	397.57	206.72
Postage, etc.	891.81	794.63
Travel Expense	2,163.88	2,350.05
Printing and Binding	1,383.91	1,190.01
Equipment	375.30	1,928.09
	$ 13,569.67	$ 16,702.14
Excess Income Over Expense	$ 2,306.83	$ 3,562.86

EXHIBIT "B"

Revenues and Expenditures

MAINTENANCE FUND

For the Two Years Ended June 30, 1935 and 1936

	Fiscal Year 1934-1935	Fiscal Year 1935-1936
REVENUES		
Appropriation	$ 144,250.00	$ 170,185.00
Institutional Receipts	90,381.04	89,674.95
Refunds:		
Refunds of Receipts	378.48	658.20
Refunds of Expenses	19,093.49	21,256.44
	$ 254,103.01	$ 281,774.59
EXPENSES		
Administration	$ 8,687.47	$ 10,958.97
Professional Care and Treatment	34,041.01	39,137.23
Custodial Care	124,343.25	144,528.30
Operation of Plant	25,887.62	25,145.17
Maintenance of Plant	16,954.88	10,547.79
Insurance	----------	2,531.16
Additions and Betterments	22,723.20	9,125.18
Refunds:		
Refunds of Revenue	378.48	658.20
Refunds of Expense	19,093.49	21,256.44
Total Expenditures	$ 252,109.40	$ 263,888.44
Excess Revenue over Expenses	$ 1,993.61	$ 17,886.15

EXHIBIT "C"

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1935 and 1936

	Fiscal Year 1934-1935	Fiscal Year 1935-1936
Administration	$ 19.00	$ 23.17
Professional Care and Treatment	74.43	82.74
Custodial Care	271.89	305.56
Operation of Plant	56.61	53.16
Maintenance of Plant	37.07	22.29
Insurance	----------	5.35
Additions and Betterments	49.68	19.30
Totals	$ 508.68	$ 511.57
From Appropriation	$ 311.06	$ 321.98
From Institutional Receipts	197.62	189.59
Totals	$ 508.68	$ 511.57
Average Number of Patients	457	473

BIENNIAL REPORT

OF THE

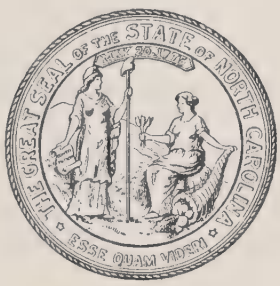
Western North Carolina Sanatorium

BLACK MOUNTAIN

AND THE

North Carolina Sanatorium

SANATORIUM



FOR THE TWO YEARS ENDED JUNE 30, 1938

BOARD OF DIRECTORS

MR. L. L. GRAVELY, *chairman*	Rocky Mount
MR. E. A. RASBERRY, *vice-chairman*	Snow Hill
MR. R. L. HARRIS, *secretary*	Roxboro
MR. R. E. FINCH	Black Mountain
MR. ROBERT M. HANES	Winston-Salem
DR. THURMAN D. KITCHIN	Wake Forest
MR. LAURIE MCEACHERN	Raeford
DR. J. W. MCGEHEE	Reidsville
MRS. MAX T. PAYNE	Greensboro
DR. CARL V. REYNOLDS	Raleigh
MR. U. L. SPENCE	Carthage
DR. M. L. STEVENS	Asheville
DR. LESTER P. MARTIN	Mocksville

PERSONNEL

NORTH CAROLINA SANATORIUM

P. P. MCCAIN, M.D.	Superintendent
C. D. THOMAS, M.D.	Assoc. Supt. and Assoc. Medical Director
F. T. HARPER, M.D.	Assistant Physician
H. E. WOOD, M.D.	Assistant Physician
C. L. GRAY, M.D.	Assistant Physician
LEOPOLD MARKS, M.D.	Asst. Physician, Negro Division
MARTHA C. NEWMAN, R.N.	Superintendent of Nurses
R. G. WHARTON, D.D.S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Purchasing Officer
C. C. MOSS	Cashier
MRS. C. W. COVINGTON	Secretary to Superintendent
MISS CARRIE TOOMER	Dietitian
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R.N.	Superintendent of Nurses, Negro Division

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EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M.D.	Director
JOHN S. DENHOLM, M.D.	Clinic Physician
G. C. GODWIN, M.D.	Clinic Physician
R. T. JENKINS, M.D.	Clinic Physician
L. B. SKEEN, M.D.	Clinic Physician

WESTERN NORTH CAROLINA SANATORIUM

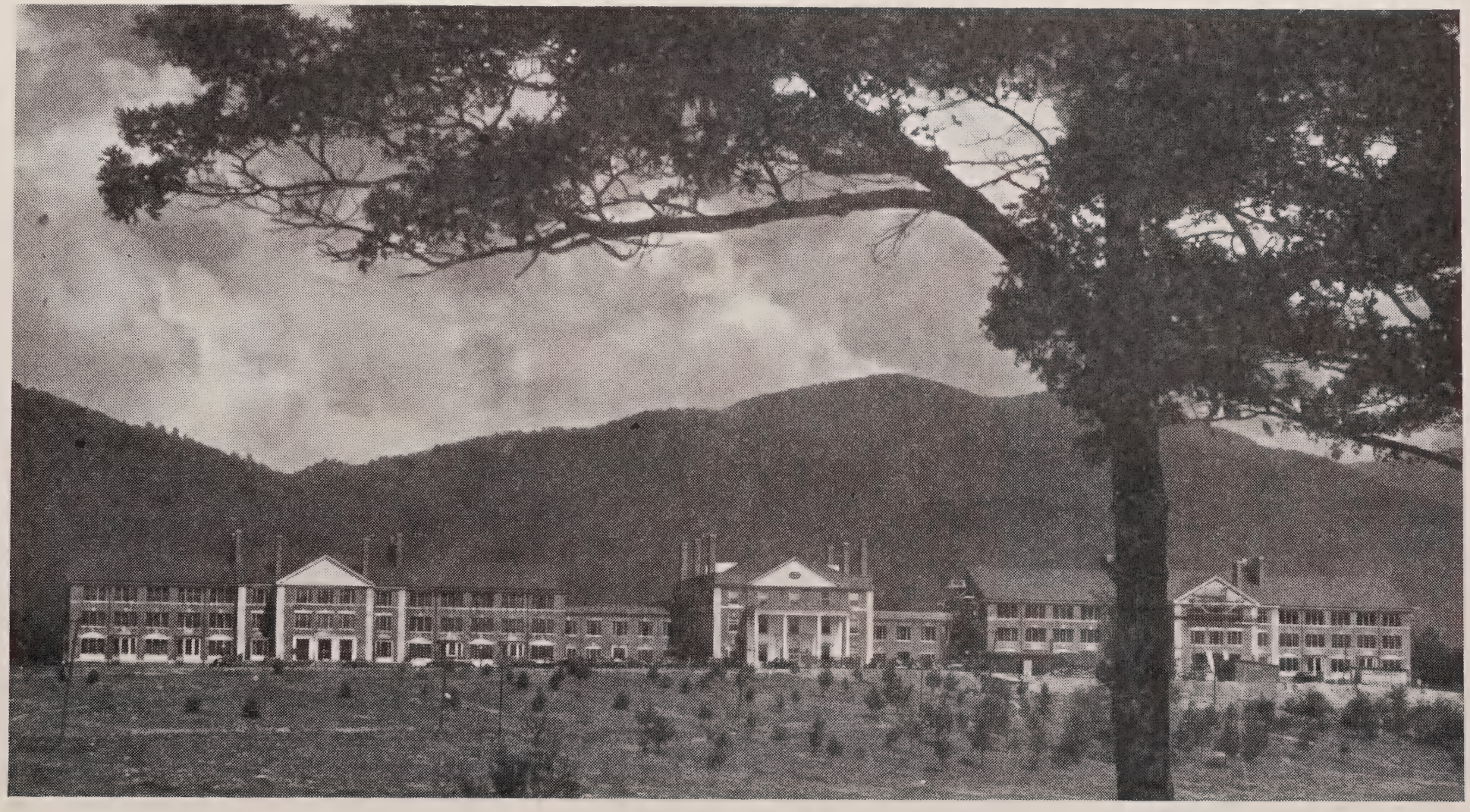
P. P. MCCAIN, M.D.	Superintendent
S. M. BITTINGER, M.D.	Associate Superintendent and Medical Director
A. L. ORMOND, M.D.	Resident Physician
W. T. SPENCE, M.D.	Assistant Physician
CREOLYA SNODGRASS, R.N.	Superintendent of Nurses
BERTHA JOHNSON, R.N.	Operating Room Supervisor
R. G. WHARTON, D.D.S.	Dentist
IRVIN PAGE	Laboratory and X-ray Technician
W. N. BANKS	Purchasing Officer
MISS VERNON JONES	Secretary to Medical Director
S. J. STUTTS	Chief Engineer

CONSULTING STAFF NORTH CAROLINA SANATORIUM

DR. DAVID T. SMITH, *Bacteriology and Internal Medicine*, Duke Hospital ..... Durham
DR. O. L. MILLER, *Orthopedic Surgery* ..... Charlotte
DR. J. D. HIGHSMITH, *Surgery* ..... Fayetteville
DR. C. R. MONROE, *Surgery* ..... Pinehurst
DR. DERYL HART, *Surgery*, Duke Hospital ..... Durham
DR. JAMES M. LILLY, *Eye, Ear, Nose and Throat* ..... Fayetteville
DR. W. P. MCKAY, *Eye, Ear, Nose and Throat* ..... Fayetteville
DR. JAMES B. BULLITT, *Pathology* ..... Chapel Hill
DR. WM. DEB. MACNIDER, *Pharmacology* ..... Chapel Hill
DR. V. K. HART, *Bronchoscopy and Laryngology* ..... Charlotte

CONSULTING STAFF WESTERN NORTH CAROLINA SANATORIUM

DR. JULIAN A. MOORE, *Thoracic Surgery* ..... Asheville
DR. F. WEBB GRIFFITH, *General Surgery* ..... Asheville
DR. JOHN T. SAUNDERS, *Orthopedic Surgery* ..... Asheville
DR. THOMAS R. HUFFINES, *Genito-urinary Surgery* ..... Asheville
DR. ARTHUR AMBLER, *Anesthesia* ..... Asheville
DR. JOSEPH T. GREENE, *Ear, Nose and Throat* ..... Asheville
DR. G. S. TENNANT, *Diseases of the Eye* ..... Asheville
DR. CURTIS CRUMP, *Pathology* ..... Asheville
DR. A. B. CRADDOCK, *Internal Medicine* ..... Asheville
DR. LEWIS BEALL, *Psychiatry* ..... Black Mountain
DR. CHARLES H. COCKE, *Diseases of the chest* ..... Asheville
DR. PAUL H. RINGER, *Diseases of the chest* ..... Asheville
DR. M. L. STEVENS, *Diseases of the chest* ..... Asheville
DR. C. C. ORR, *Diseases of the chest* ..... Asheville
DR. C. D. W. COLBY, *Diseases of the chest* ..... Asheville
DR. EDWARD W. SCHOENHEIT, *Diseases of the chest* ..... Asheville
DR. J. W. HUSTON, *Diseases of the chest* ..... Asheville
DR. WILSON PENDLETON, *Diseases of the chest* ..... Asheville
DR. I. J. ARCHER, *Diseases of the chest* ..... Black Mountain
DR. KARL SCHAFFLE, *Diseases of the chest* ..... Asheville



WESTERN NORTH CAROLINA SANATORIUM, BLACK MOUNTAIN, N. C.

Administration Building and left wing now occupied. Right wing will be ready for patients by January 1st, 1939.

LETTER OF TRANSMITTAL

To His Excellency

GOVERNOR CLYDE R. HOEY
Raleigh, North Carolina.

SIR:

I have the honor to transmit herewith the report of the Superintendent of the operations of the North Carolina Sanatorium and Western North Carolina Sanatorium for the Treatment of Tuberculosis for the biennium ended June 30, 1938, together with the report on the progress of the work providing additional facilities, both at Sanatorium and at Black Mountain. The report of the Superintendent is accepted as the report of the Board of Directors.

The prevention and cure of tuberculosis among our people cannot be too greatly emphasized. Two phases of this work are of especial importance; namely, early diagnosis of the disease and proper segregation of the patient. To this end it is our hope to extend further the work of examination of children and to encourage counties in the erection of segregation units. We are happy to note that the death rate from tuberculosis in North Carolina declined during the past year, but that in no way minimizes the overwhelming need for diagnosis and treatment of the disease among our people.

On behalf of the Board I desire to express to the Superintendent and his Staff at both institutions our appreciation of their very fine performance of the duties imposed upon them.

The members of the Board of Directors have been diligent in their service to the cause which they represent and I desire to express to them my very great appreciation of their interest in and attention to the work of the sanatoria.

Respectfully submitted,

L. L. GRAVELY,
Chairman Board of Directors.

REPORT OF THE SUPERINTENDENT

The Board of Directors of the North Carolina Sanatorium and of the Western North Carolina Sanatorium,

MR. L. L. GRAVELY, *Chairman.*

GENTLEMEN:

It gives me pleasure to submit herewith the biennial report of the North Carolina Sanatorium for the period ending June 30th, 1938, and the report of the Western North Carolina Sanatorium from the date of opening November 7th, 1937 to June 30th, 1938.

THE WESTERN NORTH CAROLINA SANATORIUM

The opening of the new sanatorium marked a most important step in the tuberculosis control program of the State. At the dedication exercises held on November 10th there were present about 350 visitors from all sections of the State. Inspiring addresses were made by Governor Hoey and our chairman. The completed buildings consist of a three-story patients building to accommodate 164 beds, a large administration building and a power plant and laundry. The visitors were unanimous in their praise both of the buildings and of the beautiful location, surrounded on all sides, as it is, by as fine mountain scenery as can be found in eastern America. In appropriate ceremonies also Governor Hoey laid the corner stone.

Through the skillful and untiring efforts of our chairman the necessary funds were obtained by State appropriation of $157,-300.00 and by a PWA grant of $128,700.00 for the building of another wing to accommodate 170 additional patients and for a nurses home. The nurses have been occupying a portion of the patients building, and the new nurses home will enable us to take 30 additional patients in the present wing. Such splendid progress is being made in the construction of this building that we are expecting it to be ready for the reception of patients by January 1st.

The State appropriation of $6,891.00 for roads, walks and landscaping at the Western North Carolina Sanatorium was supplemented by a grant of $13,354.00 from the WPA. The recent special session of the Legislature appropriated an additional $8,000.00 for this project. We are hoping that we can receive

another WPA grant to supplement this amount and that the landscaping of the grounds can be completed.

NEED OF AN EASTERN NORTH CAROLINA SANATORIUM

The United States Public Health Service and the National Tuberculosis Association agree that for a tuberculosis control program for a given community to be effective provision should be made for two sanatorium beds for each death from tuberculosis. Even when all the units for which appropriations have been made at the Western North Carolina Sanatorium and at the North Carolina Sanatorium are completed there will be only 960 beds in our State sanatoria. At the present also there are 626 beds provided in 14 county sanatoria and custodial homes, which makes a total of only 1,586 beds; so that, even when the beds in small units for tuberculosis patients in connection with county homes are included, the State is far short of providing even one bed per death, since in 1937 there were 1,912 deaths from tuberculosis. It is exceedingly important also that beds for tuberculosis patients be provided near our centers of population. It is desirable for patients to be able to get treatment within a reasonable distance from their homes so that they can be visited by their relatives, and it is very important for a sanatorium to be close enough so that those who have been exposed to open cases of tuberculosis can go to the institution at frequent intervals for examination. It is only possible to cure tuberculosis if it is discovered in the reasonably early stages, and it is through the repeated examnation of the apparently well contacts of active cases that the disease can be discovered early. Unless diagnostic facilities are close at hand the vast majority of Negro contacts and a large proportion of white contacts cannot afford to go for examination. We are greatly in hopes that within the near future we can secure an appropriation of $750,000.00 for 300 patients to be located somewhere in eastern North Carolina.

ADDITIONAL COUNTY SANATORIA GREATLY NEEDED

The isolation of sputum positive cases is considered an essential in the control program of tuberculosis. North Carolina has assumed that the control of the disease is a joint responsibility between the State and the county. The State has undertaken the responsibility of providing beds for those cases who give some promise of responding favorably to treatment, and it is the re-

sponsibility of the counties to provide beds for those patients whose condition is less favorable. Only 14 of the 100 counties in the State have provided sanatoria or custodial homes for their tuberculosis patients. Every possible effort is being made to get the other counties to follow suit, and a number of other counties will probably establish sanatoria within the near future.

ADDITIONS AT NORTH CAROLINA SANATORIUM

During the biennium the surgical unit and clinic building at the white unit which provides 22 additional beds for surgical and isolation cases, and rooms for an out-patient clinic, and a new wing at our Negro unit for 65 additional patients were completed. Three residences for physicians were also built. All of these buildings were included under one contract which totaled $178,-532.25. At the recent special session of the Legislature an appropriation of $110,000.00 was made for the erection and equipment of another wing at our Negro division which will provide 80 additional beds. This appropriation is conditioned on our being able to secure a grant from the PWA.

COLLAPSE THERAPY

The provision of well equipped surgical units at both the North Carolina Sanatorium and the Western N. C. Sanatorium has made it possible for us to have all of our chest surgery, as well as all other necessary surgical operations, done at the two institutions. Dr. Julian A. Moore of Asheville, who has a wide reputation as a chest surgeon, is the surgeon at our Western N. C. Sanatorium, and also does the bronchoscopic work. Dr. C. R. Monroe, who for many years has been head surgeon at the Moore County Hospital at Pinehurst, and who spent two summers in Chicago and Boston getting special training in chest surgery, is the surgeon at the N. C. Sanatorium. In addition to numerous lesser operations 29 thoracoplasties have been done at the Western N. C. Sanatorium and 18 at N. C. Sanatorium. Through these operations many patients will not only be rescued from being a source of danger to others and a life of chronic invalidism, but will also be restored to health and be able to make a living for themselves. We are also exceedingly fortunate in being able to secure the services of Dr. Arthur Ambler as anesthetist at the Western N. C. Sanatorium, and of Miss Jessie Currie, of the Moore County Hospital at Pinehurst, as anesthetist at the N. C.

Sanatorium. Both have specialized in anesthesia and have had wide experience in administering anesthesia in chest surgical cases before being employed by the two institutions. Dr. V. K. Hart of Charlotte, who is recognized as one of the most skillful bronchoscopists in the south, does the bronchoscopic and laryngological work at N. C. Sanatorium.

Approximately 80% of our adult patients are receiving some form of collapse therapy. The great majority are getting pneumothorax treatment, and approximately 10% are receiving bilateral pneumothorax. During the biennium we have also done 296 phrenic operations at N. C. Sanatorium and 46 during the eight months at the Western N. C. Sanatorium. Practically all of these were temporary phrenic crushings. We find that frequently the combination of pneumothorax and a phrenic crushing will close cavities and produce a satisfactory collapse when the pneumothorax alone was unsuccessful. During the biennium also we have done seven pneumolyses at the N. C. Sanatorium and one at Western N. C. Sanatorium.

At N. C. Sanatorium we are now averaging 1,141 pneumothorax treatments each month and 85 at Western N. C. Sanatorium. This number will be considerably more than doubled at the Western N. C. Sanatorium when the new wing is opened for patients. Chest surgery and the tremendous volume of other forms of collapse therapy increase very greatly the amount of work, both for the physicians and nurses, and it is going to be needful for us to have an additional physician at our white unit and also for our Negro unit at N. C. Sanatorium. When we open our new wing we will need one, and perhaps two, additional physicians at the Western N. C. Sanatorium, and it is also necessary for us to increase our nursing staff materially at each place.

Chest surgery and other forms of collapse therapy also increase very materially the cost of maintenance and will necessitate a considerably larger per capita appropriation during the next biennium. Such procedures, however, more than justify the additional cost for they not only greatly improve the patient's chances for recovery and for his sputum to become negative, but they also considerably shorten the time he needs to stay in the Sanatorium.

PNEUMOTHORAX BY PRIVATE PHYSICIANS

Over a period of several years we have been endeavoring to get leading physicians in the various counties in the State in-

terested in continuing the refills on our pneumothorax patients who are ready to return home. There are now more than 100 such physicians scattered over the whole State who have either had experience in pneumothorax treatment elsewhere, or who have come to the Sanatorium for training in pneumothorax technic. Practically all of this number have access to a fluoroscope and use it regularly.

THE INTERPRETATION OF X-RAY CHEST FILMS FOR PRIVATE PHYSICIANS

In recent years it has become more and more apparent that the X-ray is essential for the early diagnosis of tuberculosis, and a very large number of internists and many physicians in general practice throughout the State have secured X-ray machines. They are also learning the importance of giving the tuberculin test and of X-raying the positive reactors. We feel that one of the most fruitful services which sanatorium physicians can render is in the interpretation of chest films for any physician who wishes the service. This has become one of our most valuable means of discovering positive cases of tuberculosis, and with practically no cost to the Sanatorium. In 1936 films on 2,843 patients and in 1937 films on 4,945 patients were sent in for interpretation by private physicians. By seeing an X-ray of the patient's chest we can also advise the physician much more intelligently concerning the treatment needed while the patient is waiting for admission to the Sanatorium.

DIAGNOSTIC CLINICS

The last Legislature provided funds for an additional clinic physician for our extension department, but we were unable to secure one who was qualified until the first of last May when Dr. L. B. Skeen of our resident staff was transferred to our clinic service. This gives us four field clinicians. We also secured the funds for two additional portable fluoroscopes which are shock proof. There is such a demand for both adult and children's clinics that we are endeavoring to get the county health officers to give the tuberculin test to the school children so that our field clinicians can devote a larger proportion of their time to adult fluoroscopic clinics. We are more enthusiastic even than ever before about the value of the fluoroscope in diagnosis. With modern fluoroscopes we feel that practically all cases of even minimal tuberculous lesions can be discovered.

As will be seen from the statistical report 85,255 school children and teachers were given the tuberculin test during the biennium, and of this number 27,737 were tested by county health officers. We have been limiting the school clinics to the study of children ten years of age and over and to known contacts and suspects under this age. 20% of the total number gave positive reactions. X-ray films were made by the Sanatorium technicians on 16,890 of the positive reactors, and the films were interpreted by the physicians of the Sanatorium extension department staff. A total of 14,694 patients were examined in our adult field clinics and 8,184 outside patients were examined in our out-patient clinics at the two sanatoria.

MORTALITY RATE

In 1936 there was an increase in the tuberculosis mortality over the whole United States, which was generally thought to be due to the cumulative effects of the depression. Whether or not this is the correct explanation we cannot say. It is most gratifying, however, that in 1937 the mortality rate again assumed its downward trend, there being only 1912 tuberculosis deaths, or a death rate of 54.7 per 100,000, in North Carolina in 1937 as compared with 2119, or a death rate of 61.3 in 1936. The information to date for 1938 indicates that there may be a further slight reduction during the present year.

NURSES TRAINING SCHOOLS

Both our white nurses' training school under the direction of Miss Martha C. Newman, and our Negro nursing school under the direction of Mrs. Carrie Broadfoot, have continued to function with a great degree of satisfaction. Arrangements made some years ago whereby our white nurses take two years here at the N. C. Sanatorium and their third year at the Moore County Hospital at Pinehurst, and whereby our Negro nurses take their third year at the Lincoln Hospital at Durham, continue to be quite satisfactory both to us and the other hospitals. Our graduates are always in great demand, in fact so much so that we do not have a graduate either of our white or colored training schools who is unemployed. The Moore County Hospital has recently let the contract for a nurses home, the construction and equipment of which will cost $65,000.00.

STAFF CHANGES

Since it was thought necessary by the Board to have one directing head of the two institutions Dr. P. P. McCain was made superintendent of both sanatoria. Dr. S. M. Bittinger, who had served faithfully and most efficiently for sixteen years on the staff of the North Carolina Sanatorium was elected associate superintendent and medical director of the Western N. C. Sanatorium. Dr. A. L. Ormond and Dr. R. T. Jenkins of the Sanatorium staff were also transferred to the staff of the Western N. C. Sanatorium. Miss Creolya Snodgrass and Miss Bertha Johnson of the North Carolina Sanatorium nursing staff were chosen respectively as superintendent of nurses and head operating room nurse at the new institution. Dr. C. D. Thomas, for several years a member of our clinic staff, was chosen as assistant superintendent and associate medical director of the North Carolina Sanatorium. Dr. H. L. Seay of our clinic staff was elected superintendent of the Mecklenburg Sanatorium. Dr. John S. Denholm, Dr. F. T. Harper, Dr. G. C. Godwin joined our clinic staff and later Dr. L. B. Skeen and Dr. R. T. Jenkins were transferred from the resident staff of N. C. Sanatorium and of Western N. C. Sanatorium to our clinic staff. Dr. H. E. Wood and Dr. C. L. Gray and Dr. Leopold Marks, colored, also joined our resident staff. Mr. Floyd Eubanks, purchasing officer for the N. C. Sanatorium, was made general purchasing officer also for the Western N. C. Sanatorium, and Mr. W. N. Banks was made resident purchasing officer for the new institution. We regretted very much to lose Dr. J. H. Williams who had been on our resident staff for several years and who resigned to become health officer of Sampson county.

DONATIONS

To the many friends who have rendered valuable services and who have made generous donations of various kinds to both of our institutions we are deeply grateful. We especially wish to record our indebtedness to Mr. W. N. Reynolds of Winston-Salem for his gift of $5000.00 to the Western N. C. Sanatorium for the purchase of equipment for recreation, entertainment and instruction of the patients at this institution and to Mr. Joseph Calcutt of Fayetteville for his gift of twelve pin tables, which are arranged to operate without the use of coins and which furnish a great deal of pleasure to our patients at both institutions. A

list of the many other donations will be found in the body of the report.

I am greatly indebted to the members of the staffs of both institutions for their cooperation and their loyalty.

I wish especially to express my gratitude to all the members of our Board of Directors for your kind consideration and your hearty cooperation.

P. P. MCCAIN, *Superintendent,*

N. C. Sanatorium and Western N. C. Sanatorium and Director, Extension Department.

WESTERN N. C. SANATORIUM

POPULATION MOVEMENT

1937-1938

	White Adults		
	Men	Women	Total
1. Patients in hosiptal at beginning of year	0	0	0
Admissions during year:			
2. New admissions	104	103	207
3. Readmissions	0	0	0
4. Total admissions	104	103	207
Separations during year:			
5. Apparently arrested	3	4	7
6. Quiescent	7	12	19
7. Improved	7	14	31
8. Unimproved	13	5	8
9. Died	5	0	5
10. Not classified	0		
11. Not tuberculous	5	6	11
12. Total separations	40	41	81
13. Patients in hospital at end of year	64	62	126
14. Average daily population			121
15. Normal capacity			132

SUMMARY OF EIGHT MONTHS' WORK

November 7, 1937—June 30, 1938

	1937-1938
Letters and postals received	3,870
Individual letters written	5,671
Articles written (approximate number words)—Press	3,000
Articles copied (approximate number of words)	2,350
Patients' histories written	139
Approximate number of words in patients' histories	208,500
Envelopes addressed	6,220
Enclosures sent out	634
Literature sent to reported cases	269
Other literature sent out	237
Sputum cups distributed	2,550
Tuberculin sent physicians	270
X-Ray films sent in for interpretation	217
Report of phrenic operations	46
Report of pneumolyses	1
Report of thoracoplasties	29
Report of thoracoscopies	1
Report of appendectomies	4
Interruption of pregnancy	1
Fusion hip	1
Report of wrist stabilization	1
Report of tonsilectomies	1

REPORT OF DR. S. M. BITTINGER, M. D.

	1937-1938
Days out of office	11
Addresses delivered	5
Number in audience	555

REPORT OF TUBERCULOSIS CLINICS—X-RAY

	White	Colored	Total
Childhood type positive	43	8	51
Childhood type (suspicious)	5	11	16
Adult type positive	3	0	3
Adult type (suspicious)	0	2	2
Negative	64	36	100
Total	115	57	172

MEDICAL REPORT

November 1937—June 1938

STATISTICAL

	1937-1938	Total
Number of patients to be reported on (discharged)	70	70
Number not classified	0	0
Number not tuberculous	11	11
Number of patients in Sanatorium July 1	126	126
Total number of patients treated	207	207
Hospital days	28,545	28,545

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1937-1938

CONDITION ON ADMISSION			CONDITION ON DISCHARGE: Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	1	A 1	1				
		B 0					
		C 0					
Moderately advanced	9	A 5	1	3	1		
		B 4		2	1	1	
		C 0					
Far advanced	16	A 0					
		B 7			5	1	1
		C 9		1	4	3	1
Total	26	26	2	6	11	5	2

Total number of days 868 Average stay 33.4 Shortest stay 2
Number gained weight 11 Number lost weight 5
Average gain 8.4 Average loss 3
Stationary 4 Not weighed 6

PATIENTS WHO STAYED NINETY DAYS OR OVER

1937-1938

CONDITION ON ADMISSION			CONDITION ON DISCHARGE: Apparently Arrested	Quiescent	Improved	Unimproved	Died
Minimal	2	A 1	1				
		B 1	1				
		C 0					
Moderately advanced	14	A 4	1	2	1		
		B 10	1	5	4		
		C 0					
Far advanced	28	A 0					
		B 20	1	5	12		2
		C 8		1	3	3	1
Total	44	44	5	13	20	3	3

Total number of days 6,560 Average stay 149 Longest stay 234
Number gained weight 29 Number lost weight 10
Average gain 8.55 Average loss 7
Stationary 3 Not weighed 2

HISTORY OF HEMORRHAGE

		1937-38
Negative		40
Positive	Previous	20
	Previous and during residence	10
	During residence only	0

RESULT OF SPUTUM EXAMINATIONS

		1937-38
Negative or no sputum		30
Positive	On admission	36
	During residence	35
	On discharge	24

SEX, AGE AND CIVIL CONDITION

SEX		AGE 1937-38						CIVIL CONDITION			
		11-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Widowed	Divorced
Male	35	------	------	------	------	------	------	------	------	------	------
Female	35	------	------	------	------	------	------	------	------	------	------
Total	70	6	24	20	10	8	2	21	46	1	2

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	1
Anal fistula	2
Enteritis	5
Hydro-pneumothorax	2
Laryngitis	8
Meningitis	1
Tuberculous hip	1

NON-TUBERCULOUS COMPLICATIONS

Appendicitis (gangrenous)	1
Abscess (wound)	1
Adenoma of thyroid	1
Anemia (secondary)	3
Ankylosis	1
Arteriosclerosis	2
Blepharitis	2
Bronchiectasis	1
Bursitis	1
Carious teeth	24
Cataract (eye)	1
Constipation	1
Cyst (ovarian)	1
Cyst (sebaceous)	1
Cystocele	3
Dermatitis	1
Diabetis mellitus	1
Diseased tonsils	6
Eczema	1
Erosion (cervix)	1
Fracture (ankle)	1
Hemorrhoids	2
Hydrocele	1
Hypertension	2
Laceration of perineum	1
Lipoma	1
Menopause	1
Otitis media	1
Pharyngitis	1
Phlebitis	1
Polyp (nasal)	1
Polyp (cervix)	1
Pyorrhea	10
Ringworm infection	1
Rhinitis	4
Scoliosis	1
Tapeworm infection	2

OCCUPATIONS

Accountant	1
Barber	2
Cafe Operator	1
Clerk	2
Detective	1
Electrician	1
Farmer	6
Housewives	21
Laundry	1
Machinist	2
Mill work	14
Nurse	1
Physician	2
Printer	1
Salesman	1
Stenographer	1
Students	9
Teacher	1
Trainman	1

PATIENTS EXAMINED IN SANATIORUM CLINIC FOR DIAGNOSIS AND CONSULTATION

November 7, 1937—June 30, 1938

	Children 37-38	White 37-38	Colored 37-38	Total 37-38
November	7	30	0	37
December	13	65	0	78
January	13	71	16	100
February	16	73	5	94
March	14	110	0	124
April	28	89	2	119
May	21	119	1	141
June	17	129	2	148
Total	129	686	26	841

CLASSIFICATION

	Children 37-38	White 37-38	Colored 37-38	Total 37-38
Positive diagnosis	21	136	3	160
Negative diagnosis	103	396	22	521
Re-examinations	5	154	1	160
Total	129	686	26	841

SUMMARY OF MEDICAL REPORT

November 1, 1937—June 30, 1938

	1937—1938	Total
Patients admitted:		
Minimal	4	4
Moderately advanced	59	59
Far advanced	133	133
Childhood tuberculosis	1	1
Not tuberculous	9	9
Not classified	1	1
Total	207	207
Patients discharged:		
Apparently arrested	7	7
Quiescent	19	19
Improved	31	31
Unimproved	8	8
Died	5	5
Total	70	70

REPORT OF X-RAY LABORATORY

November 7, 1937-June 30, 1938.

	White	Colored	Total
Stereoroentgenograms of chest, Sanatorium patients	155	0	155
Stereorentegenograms of chest, Sanatorium clinic patients	46	2	48
Double Roentgenograms of chest, Sqnatorium patients	3	0	3
Double Roentgenograms of chest, Sanatorium clinic patients	4	0	4
Double Roentgenograms of chest, children's clinics	9	2	11
Single Roentgenograms of chest, Sanatorum patients	282	0	282
Single Roentgenograms of chest, Sanatorium clinic patients	186	17	203
Single Roentgenograms of chest, adu.t clinics	83	45	128
Single Roentgenograms of chest, children's clinics	24	0	24
Miscellaneous X-Rays	64	6	70
Total	856	72	928
Treatments	3	0	3

LABORATORY REPORT

	White	Colored	Total
Sputanalyses:			
Micro	1,001	0	1,001
Chem.	0	0	0
Total	1,001	0	1,001
Urinalyses:			
Micro	376	0	376
Chem.	524	0	524
Total	900	0	900
Blood:			
W. B. C.	277	0	277
R. B. C.	233	0	233
Hemoglobin	233	0	233
Color index	206	0	206
Differential count	269	0	269
Kline	44	0	44
Wassermann	237	0	237
Urea	3	0	3
Sedimentation	196	0	196
Sugar	2	0	2
Culture	97	0	97
Coagulation	2	0	2
Laughlen	29	0	29
Chlorides	1	0	1
Typing	35	0	35
Bleeding time	2	0	2
Vital capacity	47	0	47
Total	1,913	0	1,913

LABORATORY REPORT—Continued

	White	Colored	Total
Feces	38	0	38
Gastric	4	0	4
Phthalein	5	0	5
Pleural fluid	14	0	14
Basal metabolic	12	0	12
Bacteriological	117	0	117
Spinal fluid	6	0	6
Mosenthal	2	0	2
Autopsies	2	0	2
Total	200	0	200
Total examinations and tests			4,149

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Rutherfordton	1
Board of County Commissioners, Cleveland	2
Board of County Commissioners, Gaston	9
Board of County Commissioners, Henderson	2
Board of County Commissioners, Mitchell	1
Board of County Commissioners, Rutherford	5
Board of County Commissioners, Swain	1
Good Samaritan, Asheville	1
Printers' Club, Durham	1
Public Welfare, Asheville	3
Public Welfare, Graham	1
Public Welfare, Lenoir	4
Public Welfare, Lexington	1
Public Welfare, Marion	3
Public Welfare, Morganton	2
Public Welfare, Mt. Airy	5
Public Welfare, Newton	4
Public Welfare, Reidsville	3
Public Welfare, Salisbury	3
Public Welfare, Waynesville	2
Publix Bamford Theatre, Asheville	1
United Daughters of the Confederacy, Pittsboro	1
United Mutual Aid Assn., Spray	1
Y. M. C. A., Kannapolis	1

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Senator L. L. Gravely, Rocky Mount, N. C.
Mrs. R. E. Finch, Black Mountain, N. C.
Mrs. W. C. Honeycutt, Black Mountain, N. C.
Mrs. W. H. Powlas, Black Mountain, N. C.
Mrs. J. P. Ashley, Black Mountain, N. C.
Mrs. C. N. Sprinkle, Black Mountain, N. C.
Mrs. O. J. Haigler, Black Mountain, N. C.
Miss M. Upshaw, Black Mountain, N. C.
Mrs. Laura Vaughan, Swannanoa, N. C.
Mr. George Council, Asheville, N. C.
Mr. D. H. Ramsey, Asheville, N. C.
Veteran's Hospital, Oteen, N. C.
Ridge Crest Baptist Assembly, Ridgecrest, N. C.
Efird's Department Store, Asheville, N. C.
Presbyterian Church and Sunday School Extension, Richmond, Va.

Miscellaneous gifts:

Middlemont Gardens, Asheville, N. C.
Woman's Club, Black Mountain, N. C.
Black Mountain Hardware Co., Black Mountain, N. C.
Halsey & Griffith, Asheville, N. C.
Methodist, Baptist, Presbyterian, Episcopal and Lutheran Churches, Black Mountain, N. C.
Jumper's Pharmacy, Black Mountain, N. C.
A & P Store, Black Mountain, N. C.
Swannanoa Presbyterian Circle, Womans Club, Swannanoa, N. C.
Mrs. M. L. Stevens, Asheville, N. C.
Mrs. Blanche Bowman, Taylorsville, N. C.
Messrs. W. H. Deitrick, Raleigh; Chas. W. Angle, Greensboro; L. L. Gravely and Friends, Rocky Mount, N. C.
Plant, Flower and Fruit Guild, Asheville, N. C.
Cleveland County Womans Club, Shelby, N. C.

Flowers and bulbs:

Middlemount Gardens, Asheville, N. C.
Mrs. R. E. Finch, Black Mountain, N. C.

N. C. SANATORIUM

POPULATION MOVEMENT

1936-1937

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Male	Female	Total	
Patients in hospital at beginning of year	470	100	165	265	20	22	42	57	62	119	44
Admissions During Year:											
New admissions	617	114	206	320	22	31	53	101	89	190	54
Readmissions	76	28	29	57	4	2	6	4	6	10	3
Total admissions	693	142	235	377	26	33	59	105	95	200	57
Separations during year:											
Apparently arrested	146	20	23	43	23	30	53	23	18	41	9
Quiescent	169	45	85	130	1	1	2	12	16	28	9
Improved	204	62	82	144	----------	----------	----------	25	22	47	13
Unimproved	81	5	17	22	----------	----------	----------	27	30	57	2
Died	49	5	6	11	----------	----------	----------	12	8	20	18
Not tuberculous	40	4	11	15	----------	2	2	7	5	12	11
Total separations	689	141	224	365	24	33	57	106	99	205	62
Patients in hospital at end of year	474	102	175	277	22	22	44	56	58	114	39
Average daily population	471										
Normal capacity	480										

*Includes Negro children as well as adults.

POPULATION MOVEMENT

1937-1938

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Male	Female	Total	
Patients iu hospital at beginning of year	474	102	175	277	22	22	44	56	58	114	39
Admissions during year:											
New admissions	654	161	169	330	28	17	45	113	121	234	45
Readmissions	75	26	30	56	1	3	4	3	7	10	5
Total admissions	729	187	199	386	29	20	49	116	128	244	50
Separations during year:											
Apparently arrested	100	10	17	27	25	22	47	7	10	17	9
Quiescent	80	17	34	51	2	4	6	7	12	19	4
Improved	305	90	139	229	1		1	30	32	62	13
Unimproved	77	22	18	40				15	17	32	5
Died	59	6	10	16	1		1	18	13	31	11
Not tuberculous	45	7	11	18				7	8	15	12
Not classified	1	1		1							
Total separations	667	153	229	382	29	26	55	84	92	176	54
Patients in hopsital at end of year	535	136	145	281	21	17	38	88	93	181	35
Average daily population	492										
Normal capacity	550										

*Includes Negro children as well as adults.

SUMMARY OF TWO YEARS' WORK

July 1, 1936—June 30, 1938

			1936—1937	1937—1938
Letters and postals received			19,748	19,508
Individual letters written			18,875	18,711
Mimeographed letters mailed			1,759	802
Mimeographed forms prepared			78	92
Number of copies mimeographed			41,631	42,487
Articles written (approx-no-words):				
Press	10,310	7,800		
SANATORIUM SUN	196,400	193,810		
			206,710	201,610
Copies SANATORIUM SUN mailed			34,200	34,300
Articles copied (approx-no-words)			76,650	54,900
Patients histories written			602	695
Approximate number of words in patients histories			904,000	1,042,500
Envelopes addressed			26,506	24,923
Enclosures sent out			15,979	11,268
Literature sent out			21,336	14,371
Sputum cups distributed			153,700	176,000
Tuberculin sent physicians			12,333	18,182
X-ray films sent in for interpretation			2,843	4,708
Operations:				
Phrenic crushings			54	109
Evulsions			98	35
Thoracoplasty			0	18
Pneumolysis			0	7
Appendectomy			0	4
Major			0	2
Minor			0	9
Blood transfusions			0	25

REPORT OF P. P. McCIAN, M. D.

	1936—1937	1937—1938
Days out of office	35	39
Addresses delivered	12	24
Number in audience	2,275	4,145

REPORT OF FIELD ADULT TUBERCULOSIS CLINICS

	1936—1937	1937—1938	TOTAL
Number of addresses delivered	20	13	33
Total audience	2,267	26,688	28,955

	1936—1937	1937—1938			
New positive cases	260	406			
Previously diagnosed positive	546	593			
Probable	38	109			
Doubtful	69	65			
Negative	5,486	6,440			
			6,595	8,099	14,694
Number of white examinations	4,977	6,001			
Number of colored examinations	1,618	2,098			
			6,595	8,099	14,694

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities, During School Sessions 1926-1938

RESULT OF TUBERCULIN TEST

(0.1 c.c 1:1000 dilution O.T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	279,125	66,137	921	346,183
Number positive reactors	43,845 (15.7%)	13,794 (20.8%)	284 (30.8%)	57,923 (16.7%)

RESULTS OF THE STUDY OF 49,810 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of chest			49,810
Number of reactors diagnosed as having tuberculosis		6,309	
White	4,530		
Colored	1,739		
Indian	40		
Childhood type (first infection)	5,725		
Adult type (reinfection)	385		
Childhood and adult type	156		
Extra-pulmonary	33		
Extra-pulmonary and adult type	6		
Extra-pulmonary and childhood type	3		
Miliary tuberculosis	1		
Number of reactors classified as suspicious		4,133	
Number of reactors classified as having no demonstrable tuberculosis		39,368	

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities During School Sessions 1936-1937 and 1937-1938

RESULTS OF TUBERCULIN TEST

(0.1 cc. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	62,276	22,517	462	*85,255
Number positive reactors	11,978 (19.2%)	5,169 (22.9%)	169 (36.5%)	17,316 (20%)

*27,737 of these were given tuberculin test by local heatlth officers, the X-rays and their interpretations were made by staff of Extension Department of North Carolina Sanatorium.

RESULT OF THE STUDY OF 16,890 REACTORS HAVING X-RAYS

PUPILS

RACE		POSITIVE		SUSPICIOUS		NEGATIVE	
	Number having X-rays	Number	%	Number	%	Number	%
White	9,403	1,251	13.3	524	5.6	7,628	81.1
Negro	4,699	580	12.3	243	5.1	3,876	82.5
Indian	147	8	5.4	5	3.4	134	91.1
Total	14,249	1,839	12.9	772	5.4	11,638	81.7

Childhood or primary type lesions	1,686
Adult or re-infection type lesions	121
Childhood and adult type lesions	31
Miliary tuberculosis	1
Total	1,839

TEACHERS AND OTHER ADULTS CONNECTED WITH THE SCHOOLS

Race	Number Having X-Rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	Percent	Number	Percent	Number	Percent
White	1,411	159	11.3	21	1.5	1,231	87.2
Negro	1,220	157	12.9	61	5.0	1,002	82.1
Indian	10	0		0		10	100
Total	2,641	316	12.0	82	3.1	2,243	84.9

Childhood or primary type lesions	255
Adult or re-infection type	58
Childhood and adult type lesions	3
Total	316

WHITE DIVISION

MEDICAL REPORT

July 1936—July 1938

Statistical

	1936—1937	1937—1938	TOTAL
Number of patients to be reported on (discharged)	350	363	713
Number not classified	0	1	1
Number not tuberculous	15	18	33
Number of patients in Sanatorium July 1	277	281	558
Total number of patients treated	642	663	1,305
Hospital days	98,199	98,727	196,926

PATIENTS WHO STAYED LESS THAN NINETY DAYS
1936-1938

CONDITION ON ADMISSION		1936-37		1937-38		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
Minimal	44	A	27	A	13	26	4			1	8		1		
		B	0	B	4						4				
		C	0	C	0										
Moderately Advanced	71	A	12	A	15		2	9	1	3	9		3		
		B	16	B	28			1	4	14	19	1	5		
		C	0	C	0										
Far Advanced	78	A	0	A	2						2				
		B	26	B	24					22	13	3	10	1	1
		C	18	C	8					9	2	8	4	1	2
First Infection Tuberculosis	1		1		0			1							
Total	194		100		94	26	6	11	5	49	57	12	23	2	3

	1936-37	1937-38		1936-37	1937-38		1936-37	1937-38
Total number of days	4,655	4,502	Average stay	46.55	47.9	Shortest stay	4	4

	1936-37	1937-38		1936-37	1937-38
Number gained weight	62	52	Number lost weight	19	12
Average gain	7.42	7.20	Average loss	4.2	3.14
Stationary	6	7	Not weighed	13	23

PATIENTS WHO STAYED NINETY DAYS OR OVER
1936-1938

CONDITION ON ADMISSION		1936-37		1937-38		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
Minimal	34	A	11	A	13	11	7		4		2				
		B	6	B	4	6	1		1		2				
		C	0	C	0										
Moderately advanced	202	A	38	A	27		4	35	7	3	16				
		B	60	B	77		7	41	17	19	50		1		2
		C	0	C	0										
Far advanced	283	A	3	A	4			1	2	2	2				
		B	106	B	108		2	38	12	56	79	5	10	7	5
		C	26	C	36			4	3	15	21	5	6	2	6
Total	519		250		269	17	21	119	46	95	172	10	17	9	13

	1936-37	1937-38		1936-37	1937-38		1936-37	1937-38
Total number of days	81,264	91,829	Average stay	325	346	Longest stay	1,408	1,580

	1936-37	1937-38		1936-37	1937-38
Number gained weight	183	183	Number lost weight	54	43
Average gain	13.23	14.3	Average loss	6.74	8.8
Stationary	4	12	Not weighed	9	31

HISTORY OF HEMORRHAGE

		1936-37	1937-38
Negative		209	228
Positive	Previous	119	125
	Previous and during residence	17	6
	During residence only	5	4

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		160	180
Positive	On admission	157	166
	During residence	146	128
	On discharge	84	73

SEX, AGE AND CIVIL CONDITIONS

1936-1937

SEX	Total	AGE						CIVIL CONDITIONS			
		11-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Widowed	Divorced
Male	137										
Female	213	36	138	107	46	20	3	128	199	20	3
Total	350										

1937-1938

Male	145	47	144	85	48	33	6	135	199	23	6
Female	218										
Total	363										

TUBERCULOSIS COMPLICATIONS

Adenitis (axillary)	1
Adenitis (cervical)	5
Adenitis (tracheobronchial)	14
Anal fistula	17
Bronchial fistula	1
Empyema	3
Enteritis	15
Epididymitis	1
Hydro-pneumothorax	9
Laryngitis	66
Orchitis	1
Osteitis	1
Peritonitis	3
Pleural fistula	1
Pleurisy with effusion	20
Pott's disease	3
Pyo-pneumothorax	1

NON-TUBERCULOSIS COMPLICATIONS

Acne	11
Adenoma thyroid	1
Alveolar abscess	1
Anemia (secondary)	26
Ankylosis	4
Arteriosclerosis	6
Arthritis	8
Asthma (bronchial)	8
Atrophy of testicles	5
Blepharitis	3
Blindness (bilateral)	1
Blindness (partial)	1
Bronchiectasis	3
Carious teeth	125
Cataract	1
Chloasma	2
Cholecystitis	3
Colitis	1
Cystitis	1
Deafness (partial)	10
Diabetes mellitus	4
Diseased tonsils	56
Dysmenorrhea	3
Eczema	4
Endocervicitis	2
Epididymitis	1
Epilepsy	1
Erosion of cervix	7
Furunculosis	2
Ganglion (wrist)	1
Gingivitis	2
Goitre	4
Gonorrhea	2
Hemorrhoids	19
Hernia	4
Hookworm	15
Hydrocele	1
Hypertension	12
Icthyosis	1
Infantile uterus	3
Ischio-rectal abscess	1
Keratitis	1
Kyphosis	2
Laceration of cervix	9
Laceration of perineum	10
Leucoderma	1
Lipoma	1
Lues	8
Malaria	1
Mastoid	1
Mitral regurgitation	6
Myocarditis	1
Nephritis	3
Otitis media	23
Ovarian cyst	1
Paralysis (partial)	1
Parotitis	2
Pelvic cellulitis	3
Pericarditis with effusion	1
Peri-rectal abscess	1
Pharyngitis	6
Phlebitis	1
Prostatitis	2
Psychoneurosis	2
Psychosis	1
Pterygium	1
Ptosis (eye)	1
Ptosis (kidney)	2
Pyelitis	2
Pyorrhea	113
Rectocele	1
Renal calculi	1

Retroversion of uterus	18
Rhinitis	45
Ringworm	6
Roundworm infection	3
Rodent ulcer (face)	1
Scolosis	2
Sebaceous cyst	2
Silicosis	2
Sinusitis	11
Strabismus	5
Staphyloma	1
Tapeworm infection	2
Tumor (benign)	1
Undescended testicle	1
Urticaria	5
Varicocele	1
Varicose veins	2

OCCUPATIONS

Attendant	2
Barber	10
Beauty culture	2
Blacksmith	1
Bookkeeper	3
Boxer	1
Bus driver	1
Butcher	1
Cafe operator	2
Carpenter	2
Cashier	2
Chef	1
Chemist	1
Clerical	5
Clerk	18
Collector	1
Dietition	4
Dry cleaner	3
Electrician	4
Engineer	1
Farmer	80
Filling station operator	3
Fireman	3
Fisherman	2
Furniture factory	4
Grocery store manager	1
Highway construction	4
Housewives	227
Insurance	4
Laborer	1
Laundry	3
Lawyer	1
Lumberman	2
Machinist	7
Mail carrier	3
Mattress factory	1
Merchant	3
Mill work	133
Musician	2
Nurses	18
Painter	4
Physician	1
Policeman	1
Postmaster	3
Printer	2
Salesman	13
Seamstress	4
Shoe repair	2
Stenographer	10
Stone cutter	5
Students	71
Teacher	16
Technician	1
Telephone operator	1
Tobacco buyer	2
Tobacco factory	2
Trainman	1
Truck driver	4
Waitress	1
Watch maker	1
W. P. A. worker	1

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1936-June 30, 1938

	CHILDREN				WHITE		COLORED		PRISON		TOTAL	
	WHITE		COLORED									
	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
July	55	59	10	30	238	243	51	40	10	10	364	382
August	57	54	7	3	277	312	31	30	4	11	376	410
September	69	52	8	5	349	234	23	37	8	8	457	336
October	54	38	6	9	231	201	20	25	7	2	318	275
November	16	19	9	2	159	138	19	14	8	3	211	176
December	37	22	6	1	201	119	26	58	10	5	280	205
January	51	25	10	12	226	126	74	18	9	7	370	188
February	36	22	3	18	173	162	37	28	6	2	255	232
March	33	50	8	21	210	178	28	28	10	5	289	282
April	41	51	7	7	246	195	43	18	9	6	346	277
May	72	39	15	8	270	181	39	17	16	6	412	251
June	50	29	17	2	313	180	25	17	9	9	414	237
Total	571	460	106	118	2,893	2,269	416	330	106	74	4,092	3,251

CLASSIFICATION

Positive diagnosis	42	32	17	19	302	259	115	82	49	38	525	430
Negative diagnosis	396	304	77	80	1,363	1,155	242	163	49	30	2,127	1,732
Re-examination	133	124	12	19	1,228	855	59	85	8	6	1,440	1,089
Total	571	460	106	118	2,893	2,269	416	330	106	74	4,092	3,251

SUMMARY OF MEDICAL REPORT

July 1, 1936-July 1, 1933

	1936-37	1937-38	Total
Patients admitted:			
Minimal	67	37	104
Moderately advanced	133	169	302
Far advanced	167	167	334
Childhood tuberculosis	4	1	5
Not tuberculous	6	11	17
Total	377	385	762
Patients discharged:			
Apparently arrested	43	27	70
Quiescent	130	51	181
Improved	144	229	373
Unimproved	22	40	62
Died	11	16	27
Total	350	363	713

REPORT OF X-RAY LABORATORY

July 1, 1936-June 30, 1938

	WHITE	COLORED	PRISON	TOTAL
Stereoroentgenograms of chest, Sanatorium patients	933	393	77	1,403
Stereoroentgenograms of chest, Sanatorium clinic patients	698	50	1	749
Stereoroentgenograms of chest, children's clinics	421	22	0	443
Double Roentgenograms of chest, Sanatorium patients	81	29	0	110
Double Roentgenograms of chest, Sanatorium clinic patients	479	96	0	575
Double Roentgenograms of chest, children's clinics	5,002	2,357	0	7,359
Single Roentgenograms of chest, Sanatorium patients	1,653	411	154	2,218
Single Roentgenograms of chest, Sanatorium clinic patients	1,820	254	20	2,094
Single Roentgenograms of chest, adult clinics	5,775	3,669	0	9,444
Miscellaneous X-rays	409	59	24	492
Total	17,271	7,340	276	24,887
X-ray treatments	77	18	6	101

LABORATORY REPORT

	WHITE	COLORED	PRISON	TOTAL
Sputanalyses:				
Micro	6,515	2,577	510	9,602
Chem	1,356	608	27	1,991
Total	7,871	3,185	537	11,593
Urinalyses:				
Micro	1,443	547	116	2,106
Chem	2,196	537	120	2,853
Total	3,639	1,084	236	4,959
Blood:				
W. B. C.	1,167	490	109	1,766
R. B. C.	1,132	479	103	1,714
Hemoglobin	1,104	477	103	1,684
Color index	1,096	475	103	1,674
Differential	1,156	491	107	1,754
Kahn	80	24	5	109
Wassermann	807	575	89	1,471
Malaria	32	5	2	39
Urea	13	0	0	13
Widal	10	0	0	10
Sugar	20	0	0	20
Sedimentation	310	0	0	310
Undulant fever	5	0	0	5
Coagulation	7	0	0	7
Bleeding time	2	0	0	2
Kline	121	61	17	199
Type	34	46	0	80
Culture	6	0	0	6
Laughlen	18	19	0	37
Cross match	17	5	0	22
Total	7,137	3,147	638	10,922
Feces	1,009	367	95	1,471
Phthalein	18	5	0	23
Gastric	28	1	0	29
Pleural fluid	129	70	14	213
B. M. R.	50	2	0	52
Bacteriological	162	163	1	326
Spinal fluid	4	1	1	6
Vital capacity	5	8	0	13
Pleural fluid culture	3	0	0	3
Pandy's test	1	0	0	1
Vandenberg	1	0	0	1
Autopsy	2	4	4	10
Total	1,412	621	115	2,148
Milk: Bacterial count				28
Total examinations and tests				29,650

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Albemarle	1
Associated Charities, Winston-Salem	1
Board of County Commissioners, Beaufort	2
Board of County Commissioners, Bertie	1
Board of County Commissioners, Brunswick	1
Board of County Commissioners, Burke	14
Board of County Commissioners, Carteret	1
Board of County Commissioners, Cleveland	12
Board of County Commissioners, Columbus	1
Board of County Commissioners, Cumberland	1
Board of County Commissioners, Duplin	3
Board of County Commissioners, Franklin	2
Board of County Commissioners, Gaston	34
Board of County Commissioners, Greene	2
Board of County Commissioners, Halifax	9
Board of County Commissioners, Haywood	4
Board of County Commissioners, Hoke	1
Board of County Commissioners, Lee	1
Board of County Commissioners, Lenoir	2
Board of County Commissioners, Lincoln	1
Board of County Commissioners, McDowell	1
Board of County Commissioners, Northampton	2
Board of County Commissioners, Onslow	2
Board of County Commissioners, Orange	2
Board of County Commissioners, Pasquotank	6
Board of County Commissioners, Person	1
Board of County Commissioners, Rockingham	1
Board of County Commissioners, Rowan	12
Board of County Commissioners, Rutherford	7
Board of County Commissioners, Scotland	2
Board of County Commissioners, Stanly	12
Board of County Commissioners, Surry	19
Board of County Commissioners, Swain	1
Board of County Commissioners, Union	1
Board of County Commissioners, Warren	1
Bureau Social Service, Goldsboro	6
Children's Home, Winston-Salem	1
Community Chest Fund, Reidsville	1
Kiwanis Tuberculosis Clinic, Rocky Mount	1
Mills Home, Thomasville	1
Mission of the Good Samaritan, Asheville	1
Moore County Health and Welfare Association, Mrs. T. A. Cheatham, Secretary	3
Mutual Aid Association, Spray	6
Patterson Mill Company, Roanoke Rapids	1
Public Welfare, Albemarle	1
Public Welfare, Asheboro	5

Public Welfare, Asheville	2
Public Welfare, Boone	1
Public Welfare, Burlington	2
Public Welfare, Concord	1
Public Welfare, Danbury	1
Public Welfare, Durham	33
Public Welfare, Fayetteville	6
Public Welfare, Goldsboro	8
Public Welfare, Greensboro	1
Public Welfare, Greenville	5
Public Welfare, Jackson	4
Public Welfare, Kinston	2
Public Welfare, Lexington	16
Public Welfare, Lillington	8
Public Welfare, Lumberton	3
Public Welfare, Manteo	2
Public Welfare, Marion	3
Public Welfare, Mocksville	4
Public Welfare, Nashville	11
Public Welfare, New Bern	3
Public Welfare, Newton	13
Public Welfare, Raleigh	8
Public Welfare, Reidsville	6
Public Welfare, Rockingham	10
Public Welfare, Rutherfordton	9
Public Welfare, Statesville	1
Public Welfare, Tarboro	3
Public Welfare, Taylorsville	1
Public Welfare, Wadesboro	4
Public Welfare, Washington	2
Public Welfare, Whiteville	2
Public Welfare, Wilkesboro	1
Public Welfare, Williamston	2
Public Welfare, Wilmington	1
Public Welfare, Wilson	1
Public Welfare, Winton	1
Rowan Mills Benefit Association, Salisbury	1
Renfro Hosiery Mill, Mt. Airy	1
Tuberculosis Association, Concord	2
Tuberculosis Association, Wilson	11
Tuberculosis Seal Sale Committee, cooperating with Woman's Club, Raleigh	15
United Daughters of the Confederacy	2
Y. M. C. A., Kannapolis	1

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. G. H. Anderson, Cincinnati, Ohio.
Mr. and Mrs. James Inglis, Ann Arbor, Michigan.
The Gospel Trumpet Company, Anderson, Indiana.
Miss Edith G. Moses, Bound Brook, New Jersey.
Dr. B. A. Hocutt, Clayton.
Mr. R. G. LeFourneau, Peoria, Illinois.
Mrs. J. L. Given, Pinehurst.
Mrs. J. P. Vaughan, Melrose Hdls., Massachusetts.
Miss Anne Mebane, Chapel Hill.
Mr. R. W. Vigelina, Easton, Pennsylvania.
Mr. C. B. Ellis, Jr., Burlington.
Miss Clara Mae Gibson, Dundarrach.
Junior Chamber of Commerce, Southern Pines.

Cash Donation:

Mrs. Arthur H. London, Pittsboro.
Mr. Cecil Dew, Raeford.
Oettinger Family (memorial fund to Mr. Jonas Oettinger) Wilson.

Miscellaneous gifts:

Mrs. Harry T. Hicks, Raleigh.
Junior Red Cross, Charlotte.
Mrs. J. A. Bizzell, Kinston.
Miss Selma Johnson, Mooresville.
Mr. Joseph Calcutt, Fayetteville.
The Katie's Kid's Club, Mt. Gilead.
Seventh Grade, Clayton.

Flowers:

Mrs. Thomas E. Lynch, Hillsboro.
Mr. and Mrs. C. H. Ballentine, Varina.
Mrs. O. L. Cloud, Hamlet.

CHILDREN'S DIVISION

MEDICAL ERPORT

Statistical

	1936-37	1937-38	TOTAL
Number of patients to be reported on (discharged)	55	55	110
Number not tuberculous	0	2	2
Number of patients in Sanatorium July 1	44	38	82
Total number of patients treated	99	95	194
Hospital days	15,192	13,982	29,174

SUMMARY MEDICAL REPORT

	1936-37	1937-38	TOTAL
Patients admitted:			
Adult type tuberculosis	16	10	26
1936-37 / 1937-38			
Minimal 12 / 10			
Moderately advanced 4 / 0			
Far advanced 0 / 0			
Childhood type	41	37	78
Not tuberculous	2	2	4
Total	59	49	108
Patients discharged:			
Apparently healed	53	47	100
Apparently inactive	2	6	8
Improved	0	1	1
Died	0	1	1
Total	55	55	110

SEX AND AGE

	1936-37	1937-38	TOTAL
Sex:			
Male	24	29	53
Female	31	26	57
Total	55	55	110
3 to 9 years	25	26	51
10 to 17 years	30	29	59
Total	55	55	110

TUBERCULOUS COMPLICATIONS

Adenitis (tracheobronchial)	10

NON-TUBERCULOUS COMPLICATIONS

Bronchitis	2
Bronchopneumonia	1
Carious teeth	8
Cleft palate	1
Conjunctivitis	1
Deafness (partial)	1
Diseased tonsils	37
Dwarf tapeworm	1
Goitre (adenomatous)	1
Hookworm disease	4
Mitral regurgitation	1
Otitis media	3
Phimosis	2
Pneumonitis	2
Rheumatic heart disease	1
Rhinitis	1
Strabismus (internal)	1

NEGRO DIVISION

MEDICAL REPORT

STATISTICAL

	1936-37	1937-38	TOTAL
Number of patients to be reported on (discharged)	193	161	354
Number not tuberculous	12	15	27
Number of patients in Sanatorium July 1	114	181	295
Total number of patients treated	319	357	676
Hospital days	43,518	52,314	95,832

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1936-1938

CONDITION ON ADMISSION			1936-37		1937-38	CONDITION ON DISCHARGE: Apparently Arrested 1936-37	Apparently Arrested 1937-38	Quiescent 1936-37	Quiescent 1937-38	Improved 1936-37	Improved 1937-38	Unimproved 1936-37	Unimproved 1937-38	Died 1936-37	Died 1937-38
Minimal	4	A	0	A	1						1				
		B	3	B	0	1		1		1					
		C	0	C	0										
Moderately advanced	20	A	1	A	2	1					2				
		B	10	B	7			1		4	6	2	1	3	
		C	0	C	0										
Far advanced	72	A	0	A	0										
		B	14	B	10					5		7	4	2	6
		C	25	C	23					5	1	16	9	4	13
First Infection Tuberculosis	14		6		8	5	3			1	5				
Extra-Pulmonary	1		0		1						1				
Total	111		59		52	7	3	2		16	16	25	14	9	19

	1936-37	1937-38		1936-37	1937-38		1936-37	1937-38
Total number of days	3,084	2,276	Average stay	52.4	43.8	Shortest stay	4	5

	1936-37	1937-38		1936-37	1937-38
Number gained weight	33	18	Number lost weight	21	13
Average gain	9.7	6.24	Average loss	3.4	6.21
Stationary	5	1	Not weighed	0	20

1936-1938

CONDITION ON ADMISSION			1936-37		1937-38		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
							1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
Minimal	14	A	7	A	5		7	2		2		1				
		B	1	B	1		1	1								
		C	0	C	0											
Moderately advanced	64	A	11	A	8		5	2	3	2	2	3	1			1
		B	20	B	23		6	2	9	6	3	11	2	4		
		C	0	C	2							2				
Far advanced	137	A	0	A	0											
		B	51	B	46		4		7	9	15	21	18	10	7	6
		C	29	C	11		1		2		10	3	11	2	4	5
First infection Tuberculosis	27		15		12		10	7	4		1	5				
Extra-Pulmonary	1		0		1									1		
Total	243		134		109		34	14	26	19	31	46	32	18	11	12

	1936-37	1937-38		1936-37	1937-38		1936-37	1937-38
Total number of days	37,998	33,613	Average stay	283	308	Longest stay	841	1,162

	1936-37	1937-38		1936-37	1937-38
Number gained weight	102	82	Number lost weight	29	13
Average gain	16.21	16.74	Average loss	9.87	9.88
Stationary	2	1	Not weighed	1	13

HISTORY OF HEMORRHAGE

		1936-37	1937-38
Negative		131	124
Positive	Previous	36	29
	Previous and during residence	23	8
	During residence only	3	0

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		78	74
Positive	On admission	111	86
	During residence	78	59
	On discharge	61	38

SEX, AGE AND CIVIL CONDITION

1936-1937

SEX	Total	AGE						CIVIL CONDITION			
		4-9	10-19	20-29	30-39	40-49	50-71	Single	Married	Widowed	Divorced
Male	99										
Female	94	12	46	72	44	13	6	103	72	14	4
Total	193										

1937-1938

Male	77										
Female	84	11	41	51	35	14	9	84	68	8	1
Total	161										

OCCUPATIONS

1936-1938

Butler	1
Cafe	2
Chauffeur	2
Clerk	1
Construction	1
Cook	11
Dishwasher	1
Dry cleaner	2
Farmer	81
Fireman	2
Garage	1
Housework	63
Insurance	2
Janitor	2
Knitting teacher	1
Laborer	33
Laundress	5
Maid	5
Mechanic	2
Mill work	15
Minister	1
Minor	1
Nurse	2
Orderly	4
Painter	1
Printer	1
Sawmill	3
Seamstress	1
Stone mill	1
Student	90
Taxi	1
Teacher	5
Truck driver	4
Undertaker	2
Valet	1
Waiter	3

TUBERCULOSIS COMPLICATIONS

Adenitis (cervical)	16
Adenitis (tracheobronchial)	14
Anal fistula	6
Empyema	1
Enteritis	20
Hydro-pneumothorax	5
Ischio-rectal abscess	1
Keratitis	1
Laryngitis	59
Lupus valgaris	1
Miliary tuberculosis	1
Meningitis	1
Perianal abscess	1
Peritonitis	2
Pleurisy with effusion	32
Sebaceous cyst	1
Spontaneous pneumothorax	1

NON-TUBERCULOSIS COMPLICATIONS

Anal fistula	5
Anemia (secondary)	14
Arcus senilis	1
Arteriosclerosis	8
Aortitis	1
Blepharitis	1
Blindness (partial)	1
Carious teeth	128
Cervicitis	9
Conjunctivitis	1
Cystocele	18
Diseased tonsils	44
Eczema	2
Endocarditis	1
Endocervicitis	2
Epididymitis	1
Epilepsy	1
Erosion of cervix	1
Furunculosis	1
Gingivitis	1
Glossitis	4
Goitre	1
Gonorrhea	2
Hemorrhoids	24
Hernia	9
Hookworm	4
Hypertension	5
Inguinal adenitis	1
Kyphosis (dorsal)	1
Laceration of cervix	7
Laceration of perineum	7
Laryngitis	1
Leukorrhea	11
Lipoma	1
Malaria	1
Mitral regurgitation	3
Otitis media	14
Pharyngitis	1
Pneumonitis	1
Prolapse uterus	1
Psychoneurosis	3
Pterygium	3
Pyelitis	1
Pyorrhea	92
Rectocele	13
Rhinitis	7
Roundworm	1
Syphilis	23
Tumor (ovarian)	2
Uterine fibroid	1
Vaginal ulcer	1
Varicose veins	1
Warts	1

SUMMARY MEDICAL REPORT

	1936-37	1937-38	TOTAL
Patients admitted:			
Minimal	13	18	31
Moderately advanced	49	45	94
Far advanced	116	141	257
Extra-pulmonary	1	0	1
Childhood tuberculosis	15	24	39
Not tuberculous	6	14	20
Total	200	242	442
Patients discharged:			
Apparently arrested	41	17	58
Quiescent	28	19	47
Improved	47	62	109
Unimproved	57	32	89
Died	20	31	51
Total	193	161	354

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Associated Charities, Raleigh	4
Associated Charities, Winston-Salem	16
Board of County Commissioners, Alexander	1
Board of County Commissioners, Bladen	1
Board of County Commissioners, Cleveland	3
Board of County Commissioners, Columbus	1
Board of County Commissioners, Cumberland	2
Board of County Commissioners, Currituck	3
Board of County Commissioners, Duplin	4
Board of County Commissioners, Franklin	8
Board of County Commissioners, Gaston	19
Board of County Commissioners, Gates	1
Board of County Commissioners, Greene	4
Board of County Commissioners, Halifax	4
Board of County Commissioners, Lee	2
Board of County Commissioners, Lenoir	1
Board of County Commissioners, Lincoln	1
Board of County Commissioners, Mecklenburg	1
Board of County Commissioners, Orange	3
Board of County Commissioners, Pasquotank	4
Board of County Commissioners, Rowan	2
Board of County Commissioners, Rutherford	1
Board of County Commissioners, Scotland	3
Board of County Commissioners, Stanly	1
Board of County Commissioners, Warren	1
Bureau of Social Service, Goldsboro	10
City Relief Commission, Winston-Salem	1
Kiwanis Tuberculosis Clinic, Rocky Mount	3
Moore County Health and Welfare Assn., Mrs. T. A. Cheatham, Secretary	19
N. C. Granite Corporation, Mt. Airy	1
Public Welfare, Bayboro	1
Public Welfare, Burlington	3
Public Welfare, Concord	1
Public Welfare, Durham	25
Public Welfare, Goldsboro	7
Public Welfare, Graham	1
Public Welfare, Greensboro	6
Public Welfare, Greenville	10
Public Welfare, Henderson	1
Public Welfare, Hookerton	1
Public Welfare, Jackson	2
Public Welfare, Jacksonville	1
Public Welfare, Lexington	4
Public Welfare, Lillington	3
Public Welfare, Lumberton	2
Public Welfare, Marion	1

Public Welfare, Mocksville	1
Public Welfare, Nashville	13
Public Welfare, New Bern	3
Public Welfare, Newton	2
Public Welfare, Oxford	2
Public Welfare, Raleigh	2
Public Welfare, Rockingham	10
Public Welfare, Rutherfordton	2
Public Welfare, Tarboro	2
Public Welfare, Trenton	1
Public Welfare, Wadesboro	8
Public Welfare, Warrenton	3
Public Welfare, Whiteville	1
Public Welfare, Windsor	1
Reidsville Community Chest, Reidsville	1
Tuberculosis Association, Chapel Hill	2
Tuberculosis Association, Concord	3
Tuberculosis Association, Wilson	11

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Mrs. W. C. Fownes, Pinehurst.

Mr. Chopin, Myrtle Beach, S. C.

Mrs. T. A. Cheatham, Pinehurst.

Mrs. McNeil, Pine Bluff.

Mrs. Mary C. Holliday, Statesville.

Miss Mary McNeil, Wayne, Pennsylvania.

Southern Pines Library, Southern Pines.

Lend A Hand Book Mission, Boston, Massachusetts.

Mrs. Robert C. Dye, Fayetteville.

Iredell County School Teachers.

PRISON DIVISION

MEDICAL REPORT

1936-1938

	1936-37	1937-38	TOTAL
Number of patients to be reported on (discharged)	51	42	93
Number not tuberculous	11	12	23
Number of patients in Sanatorium July 1	39	35	74
Total number of patients treated	101	89	190
Hospital days	15,282	14,048	29,330

SUMMARY MEDICAL REPORT

	1936-37	1937-38	TOTAL
Patients admitted:			
Minimal	8	7	15
Moderately advanced	18	11	29
Far advanced	23	21	44
Childhood tuberculosis	0	2	2
Not tuberculous	8	7	15
Not classified	0	1	1
Total	57	49	106
Patients discharged:			
Apparently arrested	9	9	18
Quiescent	9	4	13
Improved	13	13	26
Unimproved	2	5	7
Died	18	11	29
Total	51	42	93

WESTERN NORTH CAROLINA SANATORIUM
Black Mountain, N. C.

AND THE

NORTH CAROLINA SANATORIUM
Sanatorium, N. C.

FINANCIAL REPORT

FOR THE TWO YEARS ENDED JUNE 30, 1938

WESTERN N. C. SANATORIUM

Revenues and Expenditures

PERMANENT IMPROVEMENT FUND*

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Balance Appropriation Account June 30, 1936	$ 17,361.54	$
Balance Allotment Account, June 30, 1936	175,138.85	
Transfer from 1936-37 Maintenance Fund	50,000.00	
Public Works Administration Grant	170,461.93	123,993.63
Appropriation—Chapter 296, P. L. 1937	29,391.00	
Balance Appropriation Account June 30, 1937		17,361.54
Balance Allotment Account June 30, 1937		56,268.85
Institutional Balance—State Treasurer June 30, 1937		6,248.57
Appropriation—Chapter 296 P. L. 1937		29,391.00
Asheville Chamber of Commerce		2,500.00
Black Mountain Chamber of Commerce		510.00
Transfer from Maintenance Fund		25,655.84
Appropriation—Buildings and Improvement Fund		137,500.00
	$ 442,353.32	$ 399,429.43
Expenditures:		
Land	$ 2,617.03	$
Buildings	289,635.67	217,151.51
Power and Heating Equipment	40,580.66	
Institutional Overdraft June 30, 1936	250.00	
General Equipment		48,437.37
Roads and Walks		6,845.82
Transfer to Year 1938-39		104,401.55
	$ 333,083.36	$ 376,836.25
Unexpended Balance—State Auditor's Records	$ 109,269.96	$ 22,593.18

*Consolidated with Buildings and Improvements Funds.

Revenues and Expenditures

MAINTENANCE FUND

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Appropriation	$ 100,000.00	$ 72,625.00
Institutional Balance June 30, 1936	82.47	----------
From Contingency and Emergency Fund	----------	15,000.00
Institutional Receipts	----------	59,847.85
	$ 100,082.47	$ 147,472.85
Expenditures:		
Administration	$ 3,340.53	$ 11,156.91
Transferred to 1937-38 Maintenance Fund	38,960.00	----------
Transferred to 1935 Permanent Improvement Fund	50,000.00	----------
Professional Care and Treatment	----------	18,999.29
Custodial care	----------	34,942.89
Operation of plant	----------	7,757.43
Agriculture	----------	18.00
Additions and betterments	----------	67,506.95
Maintenance of plant	----------	6,448.82
	$ 92,300.53	$ 146,830.29
Unexpended balance—records State Auditor	$ 7,781.94	$ 642.56

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Administration	Not Operating	$ 92.21
Professional care and treatment		157.02
Custodial care		288.78
Maintenance of plant		53.30
Agriculture		.15
Additions and betterments		557.91
Operation of plant		64.11
		$ 1,213.48
Average Number Patients		121

N. C. SANATORIUM

Revenue and Expenditures
PERMANENT IMPROVEMENT FUNDS*
For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Unexpended balance June 30, 1936	$ 13,870.80	$
Fire loss farm cottage	493.89	
Appropriation (Chapter 296 Public Laws 1937)	20,000.00	
Appropriation—Improvements and Additions Fund	95,150.00	
Transfer from 1936-37 Maintenance	5,532.25	
Public Works Administration Grant	43,250.00	34,600.00
Unexpended Balance June 30, 1937		12,235.63
Appropriation (Chapter 296 P. L. 1937)		20,000.00
Balance—Improvements and Additions Fund Transferred from year 1936-37		50,867.75
	$ 178,296.94	$ 117,703.38
Expenditures:		
Maid's Cottage	$ 623.43	$
Deep Well	1,505.63	
Buildings, Additions and Improvements	93,064.50	
Pump House		596.43
Deep Well		2,687.74
Buildings, Additions, Equipment and Improvements		105,004.28
	$ 95,193.56	$ 108,288.45
Unexpended Balance—State Auditor's Records	$ 83,103.38	$ 9,414.93

*Consolidated with Buildings and Improvements Funds.

Revenue and Expenditures
EXTENSION FUND
For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Appropriation	$ 18,650.00	$ 25,596.00
Institutional receipts	72.00	68.00
	$ 18,722.00	$ 25,664.00
Expenditures:		
Salaries and Wages	$ 10,227.00	$ 12,952.99
Supplies and materials	490.85	546.71
Postage, telephone and telegraph	686.30	956.54
Travel expense	3,023.71	3,230.66
Printing and bonding	1,175.10	1,401.44
Equipment	968.68	2,990.59
	$ 16,571.64	$ 22,078.93
Unexpended Balance—Records State Auditor	$ 2,150.36	$ 3,585.07

Revenue and Expenditures

MAINTENANCE FUND

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Appropriation	$ 173,520.00	$ 213,606.00
Transfer from 1935-36 Maintenance Fund	17,883.00	27,676.00
Institutional receipts	89,100.82	94,691.48
	$ 280,503.82	$ 335,973.48
Expenditures:		
Administration	$ 11,006.96	$ 12,766.83
Professional care	40,569.23	52,314.87
Custodial care	122,060.43	130,163.99
Operation of plant	23,472.42	25,924.82
Maintenance of plant	13,732.58	27,731.21
Agriculture	33,912.76	37,486.53
Additions and betterments	1,125.00	29,992.56
Transfer to 1937-38 Maintenance Fund	27,676.00	----------
Transfer to 1937-38 Improvements and Additions	5,532.25	----------
	$ 279,087.63	$ 316,380.81
Unexpended Balance—Records State Auditor	$ 1,416.19	$ 19,592.67

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Administration	$ 23.38	$ 25.95
Professional care and treatment	86.17	106.33
Custodial care	259.28	264.56
Operation of plant	49.86	52.69
Agriculture	72.04	56.37
Maintenance of plant	29.17	76.19
Additions and betterments	2.39	60.96
Totals	$ 522.29	$ 643.05
From Appropriation	$ 333.03	$ 394.34
From Institutional Receipts	189.26	248.71
	$ 522.29	$ 643.05
Average Number Patients	471	492

362.1

BIENNIAL REPORT

OF THE

North Carolina Sanatorium

SANATORIUM

AND THE

Western North Carolina Sanatorium

BLACK MOUNTAIN

FOR THE TWO YEARS ENDED JUNE 30, 1940

BOARD OF DIRECTORS

MR. L. L. GRAVELY, *Chairman*	Rocky Mount
MR. E. A. RASBERRY, *Vice-Chairman*	Snow Hill
MR. R. L. HARRIS, *Secretary*	Roxboro
MR. R. E. FINCH	Black Mountain
MR. ROBERT M. HANES	Winston-Salem
DR. THURMAN D. KITCHIN	Wake Forest
MR. LAURIE MCEACHERN	Raeford
DR. J. W. MCGEHEE	Reidsville
MRS. MAX T. PAYNE	Greensboro
DR. CARL V. REYNOLDS	Raleigh
*DR. M. L. STEVENS	Asheville
DR. T. W. M. LONG	Roanoke Rapids
DR. LESTER P. MARTIN	Mocksville

PERSONNEL

NORTH CAROLINA SANATORIUM

P. P. MCCAIN, M.D.	Superintendent and Medical Director
C. D. THOMAS, M.D.	Associate Superintendent and Medical Director
F. T. HARPER, M.D.	Resident Physician
C. L. GRAY, M.D.	Resident Physician
ISAAC HOROWITZ, M.D.	Resident Physician
LEOPOLD MARKS, M.D.	Resident Physician, Negro Division
G. M. WILKINS, M.D.	Assistant Physician, Negro Division
MARTHA C. NEWMAN, R.N. (1938-39)	Superintendent of Nurses
EULA RACKLEY, R.N. (1939-1940)	Superintendent of Nurses
R. G. WHARTON, D.D.S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Purchasing Officer
C. C. MOSS	Cashier
MRS. C. W. COVINGTON	Secretary to Superintendent
MISS CARRIE TOOMER	Dietitian
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R.N.	Superintendent of Nurses, Negro Division

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EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M.D.	Director
H. F. EASOM, M.D.	Chief Clinic Physician
JOHN S. DENHOLM, M.D. (1938-1939)	Clinic Physician
G. C. GODWIN, M.D.	Clinic Physician
R. T. JENKINS, M.D. (1938-1939)	Clinic Physician
L. B. SKEEN, M.D.	Clinic Physician
W. H. ROPER, M.D.	Clinic Physician

*Deceased.

CONSULTING STAFF NORTH CAROLINA SANATORIUM

DR. C. R. MONROE, *thoracic and general surgery* ..... Pinehurst
DR. V. K. HART, *bronchoscopy and laryngology* ..... Charlotte
DR. JAMES M. LILLY, *eye, ear, nose and throat* ..... Fayetteville
DR. W. P. MCKAY, *eye, ear, nose and throat* ..... Fayetteville
DR. O. L. MILLER, *orthopedic surgery* ..... Charlotte
DR. DAVID T. SMITH, *bacteriology and internal medicine* ..... Durham
DR. J. D. HIGHSMITH, *surgery* ..... Fayetteville
DR. DERYL HART, *surgery* ..... Durham
DR. JAMES B. BULLITT, *pathology* ..... Chapel Hill
DR. WM. DEB. MACNIDER, *pharmacology* ..... Chapel Hill

PERSONNEL

WESTERN NORTH CAROLINA SANATORIUM

P. P. MCCAIN, M.D. ..... Superintendent
S. M. BITTINGER, M.D. ..... Associate Supt. and Medical Director
A. L. ORMOND, M.D. ..... Resident Physician
H. E. WOOD, M.D. ..... Assistant Physician
J. C. BURGE, M.D. ..... Assistant Physician
CREOLYA SNODGRASS, R.N. ..... Superintendent of Nurses
R. G. WHARTON, D.D.S. ..... Dentist
IRVIN PAGE ..... Laboratory and X-ray Technician
W. N. BANKS ..... Purchasing Officer
MRS. LAWRENCE BARNHILL ..... Secretary to Medical Director
S. J. STUTTS ..... Chief Engineer

CONSULTING STAFF

DR. JULIAN A. MOORE, *thoracic surgery* ..... Asheville
DR. F. WEBB GRIFFITH, *general surgery* ..... Asheville
DR. JOHN T. SAUNDERS, *orthopedic surgery* ..... Asheville
DR. THOMAS R. HUFFINES, *genito-urinary surgery* ..... Asheville
DR. ARTHUR AMBLER, *anesthesia* ..... Asheville
DR. JOSEPH T. GREENE, *ear, nose and throat* ..... Asheville
DR. G. S. TENNANT, *diseases of the eye* ..... Asheville
DR. CURTIS CRUMP, *pathology* ..... Asheville
DR. A. B. CRADDOCK, *internal medicine* ..... Asheville
DR. LEWIS BEALL, *psychiatry* ..... Black Mountain
DR. CHARLES H. COCKE, *diseases of the chest* ..... Asheville
DR. PAUL H. RINGER, *diseases of the chest* ..... Asheville
*DR. M. L. STEVENS, *diseases of the chest* ..... Asheville
DR. C. C. ORR, *diseases of the chest* ..... Asheville
DR. C. D. W. COLBY, *diseases of the chest* ..... Asheville
DR. EDWARD W. SCHOENHEIT, *diseases of the chest* ..... Asheville
DR. J. W. HUSTON, *diseases of the chest* ..... Asheville
DR. WILSON PENDLETON, *diseases of the chest* ..... Asheville
DR. I. J. ARCHER, *diseases of the chest* ..... Black Mountain
DR. KARL SCHAFFLE, *diseases of the chest* ..... Asheville

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*Deceased.

LETTER OF TRANSMITTAL

His Excellency
GOV. CLYDE R. HOEY
Raleigh, N. C.

SIR:

I have the honor to transmit herewith the report of the Superintendent of Operations of the North Carolina Sanatorium and Western North Carolina Sanatorium for the Treatment of Tuberculosis for the biennium ending June 30, 1940, together with report on the status of the proposed Eastern Carolina Sanatorium to be located at Wilson, N. C.

We are happy to call attention to a decrease in the death rate from tuberculosis in the State during the past year but desire to again emphasize the need for adequate facilities for the prevention and cure of this scourge. The work of early diagnosis has been expanded and we are indebted to the private physicians, the health and welfare officers, and the school authorities for their splendid coöperation. The facilities for the care and treatment of patients have been enlarged through the completion of units at both institutions.

We have not been able to successfully work out an arrangement for Federal participation to the required extent of forty-five per cent for the construction of the Sanatorium at Wilson and we respectfully urge that the coming General Assembly make immediately available an additional sum adequate to construct an Eastern North Carolina Sanatorium to meet the great need of this section of the State.

On behalf of the Board I desire to express to the Superintendent and his staff at both institutions our thanks for and appreciation of the splendid manner in which they have performed their respective duties.

The members of the Board have been diligent and interested in the fulfillment of their responsibilities and I desire to express to them my profound appreciation of their interest in and attention to the work in which we are all engaged.

Respectfully submitted,

L. LEE GRAVELY,
Chairman, Board of Directors.

REPORT OF THE SUPERINTENDENT

The Board of Directors of the North Carolina Sanatorium and of the Western North Carolina Sanatorium,

MR. L. L. GRAVELY, *Chairman.*

Gentlemen:

Herewith is submitted the report of the North Carolina Sanatorium and of the Western North Carolina Sanatorium for the biennium ending June 30, 1940.

Separate statistical and financial reports are made of the North Carolina Sanatorium with its white, children, Negro and prison divisions and its extension department, and of the Western North Carolina Sanatorium, which is under the capable direction of the associate superintendent and medical director, Dr. S. M. Bittinger.

There has been a still further reduction in the tuberculosis mortality rate during the biennium. In 1937 the mortality rate from tuberculosis in North Carolina was 54.8 per 100,000, and in 1939 it was 51. Although North Carolina is a tuberculosis resort state and although the state has a 30% Negro population, in which the death rate is more than three times that of the white, the tuberculosis mortality rate for North Carolina was only 4.4 per 100,000 higher than the average for the United State.

Experience has shown that the control of tuberculosis depends first on early diagnosis and second on isolation and treatment of the active cases.

EARLY DIAGNOSIS

At both the North Carolina Sanatorium and the Western North Carolina Sanatorium diagnostic clinics are conducted daily except Sunday, and the extension department of the North Carolina Sanatorium keeps three clinic physicians in the field who work in coöperation with private physicians and with county, health, school and welfare authorities. Since school children under twelve years of age rarely have active tuberculosis, we have been limiting our school clinics to pupils twelve years of age and over and to those under twelve who have suspicious symptoms and to those who have been exposed to

known cases of active tuberculosis. The study of school and college students is made by giving the tuberculin test and by making X-ray films of the positive reactors. In recent years we have been able to get a number of the county health officers to give the tuberculin test themselves. Of the 121,911 school children and teachers studied during the biennium health officers gave the tuberculin tests to 87,145. We send our X-ray technicians from the North Carolina Sanatorium to make the X-ray films. They are brought back to the sanatorium for development and are read by our clinic physicians.

We use portable fluoroscopes in our adult clinics, and we find that practically all cases of tuberculosis, even those in the early, curable and non-contagious stage, can be detected by means of the fluoroscope. It is necessary to have only the suspicious and positive cases X-rayed, usually not more than one out of every ten or twelve examined. We are greatly pleased, too, that the State Board of Health has recently provided a number of the county health departments with modern stationary fluoroscopes for use both in connection with their chest and syphilitic clinics. We hope that arrangements can be made whenever these fluoroscopes are provided for a weekly tuberculosis clinic to be conducted by a local physician or by the county health officer. We have offered to train physicians in the use of the fluoroscope whenever it is not possible to secure the services of an experienced fluoroscopist locally and several have taken advantage of our offer.

The Rosenwald Fund, of which Dr. M. O. Bousfield is medical director, has also offered to pay the salary of local Negro physicians to conduct tuberculosis clinics twice a week wherever a fluoroscope is available and provided the county health department will sponsor the clinic. Durham county has already arranged for such a clinic at Lincoln hospital to be held one afternoon and one evening each week.

We have found the private physicians of the state, the county health officers and the school and welfare authorities most coöperative. The county health officers make the preliminary arrangements for our field clinics and they do the follow-up work. Private physicians have shown a readiness to avail themselves of the service which we provide for the interpretation of chest X-ray films. During the biennium at the two institutions physicians sent in 7,733 chest films for interpretation.

This has proven one of our most useful means of discovering early cases of tuberculosis.

Recently equipment has been brought forward for making miniature X-ray films of the chest. Both 4 x 5 inch and 35-millimeter size films are being used. The procedure consists in making a photograph of the fluoroscopic image of the chest, and the films are called fluorographs. When the equipment is improved and is produced in quantity it will mark a forward step in tuberculosis control, for with one machine a thousand or more X-ray films can be made a day at a small fraction of the present cost per film. At present, however, the equipment is too expensive and imperfectly developed to justify its purchase.

ADDITIONAL SANATORIUM BEDS FOR ISOLATION AND TREATMENT

During the biennium there has been encouraging progress in providing additional beds for the isolation and treatment of active cases both by the state and the counties. During March 1939 the Gravely wing for patients and the nurses home at the Western North Carolina Sanatorium, which were built with PWA help, were dedicated with appropriate ceremonies and with addresses by Mr. L. L. Gravely and by the Secretary of State, Mr. Thad Eure. The Gravely wing is a duplicate of the Rasberry wing and brings the total capacity of the Western North Carolina Sanatorium to 330. The new wing at the Negro division of the North Carolina Sanatorium for 100 beds, also built with PWA help, was opened last fall. During the biennium eight of the counties in the state have either built new county sanatoria or have added materially to their plants. A total of 226 beds have been added by counties during this two-year period, 172 of which were for Negroes.

Since it is impossible for patients with advanced tuberculosis in a crowded home to keep from infecting the other members of the family, it is very needful for all counties to have institutions of their own to which they can send their tuberculous patients who are not suitable for admission to the state sanatoria, or for their suitable patients while they are waiting for admission to the state institutions. Several of the other counties are seriously considering building county sanatoria in the near future.

The three State Hospitals for the Insane have also improved their facilities for caring for their tuberculous patients recently. They now have a combined capacity of 300 beds for tuberculous patients. With the 200 beds in private sanatoria North Carolina now has altogether 2,346 beds for tuberculosis. This is less than one and one-third beds per death. The National Tuberculosis Association and the United States Public Health Service have found that it is necessary to have at least two beds per death in order to control tuberculosis in a given community.

THE EASTERN NORTH CAROLINA SANATORIUM

During the 1939 session of the General Assembly, Senator C. W. Spruill and Senator T. W. M. Long introduced a bill for the establishment of the Eastern North Carolina Sanatorium with immediate provision for 175 patients and an eventual capacity of 350. With the valuable assistance of Hon. J. Melville Broughton, Mr. L. L. Gravely, Mr. R. E. Finch, Mr. E. A. Rasberry, Dr. Ralph McDonald and other loyal supporters the bill passed both in the Senate and in the House with hardly a dissenting vote. A provision was added, however, making the $250,000 appropriation conditional on securing 45% of the construction cost from the federal government. It was planned to get help from the PWA, but shortly after the passage of the bill PWA was discontinued. We then applied to the WPA authorities to secure their assistance. Provision of a $52,000 limitation on the amount contributed by the federal government for any one WPA project further complicated matters. The state WPA authorities have been most coöperative, however. They assisted us in arranging for five separate projects, approved the temporary plans and authorized detailed plans and specifications to be prepared. Mr. Walter W. Hook, our architect, now has these ready for submission to the WPA authorities. We trust that they will be approved and that work on the new institution can be begun in the near future.

The bill also provided for the appointment of a site committee consisting of three members, all of whom should reside in western North Carolina. Governor Hoey appointed Senator Joe L. Blythe, of Charlotte, as chairman, Mr. Odus M. Mull, of Shelby, as secretary, and Mr. L. L. Burgin, of Hendersonville, as the third member of the committee. It was gratifying

that almost every county in eastern North Carolina was anxious to have the institution and offered one or more sites to the committee. After visiting all sites offered, 100 or more altogether, and after making return visits with the superintendent of the sanatorium and the engineer of the Budget Bureau to several of the more favorable sites, the committee selected the site of 100 acres offered by Wilson. The site is located on a beautiful slope on the road to Rocky Mount and bordering on the city limits of Wilson. Public spirited citizens of Wilson contributed $20,000 in cash for the purchase of the property and we now have a title to the property. The board of directors also secured an option on 24.8 additional acres adjoining the eastern border of the property at the very reasonable price of $150.00 per acre. This option expires December 31, 1941.

After the Eastern North Carolina Sanatorium is built with its full quota of 350 beds, it is thought that it will probably not be necessary to ask the state to provide any additional beds. We will need, however, to continue to urge all counties either to provide a sanatorium of their own, or to join with one or more neighboring counties to provide an institution for their patients who are not suitable for treatment in state sanatoria until there are at least two beds per death.

TRAINING SCHOOL FOR NURSES

Our training schools for both white and Negro nurses supply a real need. There is a scarcity of nurses well-trained in tuberculosis work, and our graduates are always in great demand. Our training school for Negro nurses is one of only three such schools in the United States. The arrangement which we have had for some years for our white nurses to take their third year of training at the Moore County Hospital at Pinehurst and our Negro nurses to take their third year at Lincoln Hospital, Durham, continues to be quite satisfactory, and we greatly appreciate the coöperation of the authorities at these two hospitals. Miss Martha C. Newman, who had been our capable superintendent of nurses for our white training school for nine years, to our regret resigned last fall to go into private nursing, but we were fortunate to secure in her place Miss Eula Rackley, who has been serving most acceptably in her stead. We are greatly pleased over the fine recovery which Mrs. Carrie Broadfoot, our capable and long-time superin-

tendent of nurses at our Negro division, made from her serious accident last summer.

Our institution and the anti-tuberculosis cause in the state and nation sustained a great loss in the passing on last January 20th of Dr. M. L. Stevens, who had been a most active and valuable member of our board since 1935. He was a member of the building committee and chairman of the landscape committee of the Western North Carolina Sanatorium, and devoted much time and thought to promoting the interests of both sanatoria. He was a member of several of the more important state and national medical societies, he was greatly interested also in civic and religious affairs and was greatly beloved by all who knew him.

DONATIONS

We are grateful to the many friends of both institutions who have made generous donations of books, magazines, clothing, Christmas packages, and many other gifts. A list of these will be found in the body of the report of each institution. We are especially grateful to the Rosenwald Fund for paying the salary of one of our Negro resident physicians at North Carolina Sanatorium and to the Woman's Auxiliary of the Medical Society of the State of North Carolina for providing a free bed at the Western North Carolina Sanatorium in addition to the bed which they have been paying for at the North Carolina Sanatorium for many years. We wish also to make special mention of the generosity of Mrs. F. S. Terry, of Black Mountain, in providing a large amount of shrubbery and many valuable trees for the beautification of the grounds at our Western North Carolina Sanatorium.

I wish to express to each member of the board my sincere appreciation for your loyal and hearty support.

The various employees of both institutions have rendered faithful and loyal service. I am grateful to them all and especially to Dr. S. M. Bittinger, associate superintendent and medical director at the Western North Carolina Sanatorium, and to Dr. C. D. Thomas, assistant superintendent and associate medical director at North Carolina Sanatorium.

Respectfully submitted,

P. P. McCAIN, *Superintendent,*
N. C. Sanatorium and Western N. C. Sanatorium
and Director, Extension Department.

NORTH CAROLINA SANATORIUM
POPULATION MOVEMENT
1938-1939

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Patients in hospital at beginning of year	535	136	145	281	21	17	38	88	93	181	35
Admissions during year											
New admissions	616	159	172	331	29	26	55	92	102	194	36
Readmissions	80	25	35	60	0	2	2	5	7	12	6
Total admissions	696	184	207	391	29	28	57	97	109	206	42
Separations during year											
Apparently arrested	110	17	8	25	25	19	44	10	22	32	9
Quiescent	62	29	23	52	0	2	2	2	3	5	3
Improved	353	103	148	251	0	2	2	38	51	89	11
Unimproved	70	15	16	31	0	0	0	19	12	31	8
Died	68	6	11	17	0	0	0	26	19	45	6
Not tuberculous	31	5	5	10	3	1	4	8	6	14	3
Total separations	694	175	211	386	28	24	52	103	113	216	40
Patients in hospital at end of year	537	144	142	286	22	21	43	85	86	171	37
Average daily population	535										
Normal capacity	600										

*—Includes Negro children as well as adults

NORTH CAROLINA SANATORIUM
POPULATION MOVEMENT
1939-3940

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Patients in hospital at beginning of year	537	144	142	286	22	21	43	85	86	171	37
Admissions during year											
New admissions	717	147	150	297	16	25	41	170	158	328	51
Readmissions	104	23	35	58	0	1	1	6	16	22	23
Total admissions	821	170	185	355	16	26	42	176	174	350	74
Separations during year											
Apparently arrested	203	14	9	23	12	18	30	59	64	123	27
Quiescent	67	29	23	52	2	5	7	1	2	3	5
Improved	241	86	124	210	3	2	5	8	11	19	7
Unimproved	64	12	13	25	0	0	0	9	7	16	23
Died	104	14	14	28	0	0	0	42	30	72	4
Not tuberculous	45	10	8	18	3	0	3	11	4	15	9
Total separations	724	165	191	356	20	25	45	130	118	248	75
Patients in hospital at end of year	634	149	136	285	19	21	40	130	143	273	36
Average daily population	585										
Normal capacity	650										

*—Includes Negro children as well as adults.

NORTH CAROLINA SANATORIUM
SUMMARY OF TWO YEARS' WORK
July 1, 1938-June 30, 1940

			1938-1939	1939-1940
Letters and postals received			18,987	18,605
Individual letters written			17,852	17,694
Mimeographed letters mailed			1,183	1,169
Mimeographed forms prepared			119	100
Number of copies mimeographed			36,899	13,163
Articles written (approximate number words)				
Press	15,750	8,300		
SANATORIUM SUN	197,500	197,000	213,250	205,300
Copies SANATORIUM SUN mailed			34,200	34,200
Articles copied (approximate number words)			99,880	2,780
Patients' histories written			643	769
Envelopes addressed			25,619	25,866
Enclosures sent out			13,827	12,898
Literature sent out			28,316	25,169
Sputum cups distributed			185,400	149,300
Tuberculin sent physicians			17,084	18,491
X-ray films sent in for interpretation			3,264	3,072
Operations				
Phrenic operations			181	224
Thoracoplasty			49	57
Pneumonolysis			12	7
Major operations			5	7
Minor operations			33	25
Blood transfusions			46	46
Bronchoscopy			53	17
Pneumothorax threatments			12,822	10,566
Pneumo-peritoneum			307	1,801
Oleothorax			22	150

REPORT OF P. P. McCAIN M. D.

	1938-1939	1939-1940
Days out of office	42	40
Addresses delivered	30	31
Number in audience	4,530	3,340

NORTH CAROLINA SANATORIUM
REPORT OF FIELD ADULT TUBERCULOSIS CLINICS

	1938-1939	1939-1940	1938-1939	1939-1940	TOTAL
Number of addresses delivered			13	9	22
Total audience			45,280	20,160	56,440
	1938-1939	1939-1940			
New positive cases	1,132	795			
Previously diagnosed positive	1,151	1,310			
Probable	161	214			
Doubtful	103	97			
Negative	11,102	10,814			
			13,649	13,230	26,879
Number of white examinations	10,097	9,156			
Number of colored examinations	3,429	3,970			
Number of Indian examinations	123	104			
			13,649	13,230	26,879

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium in Co-operation with Local Health and School Authorities During School Sessions 1926-1940

RESULTS OF TUBERCULIN TEST

(0.1 cc. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test	368,521	98,652	921	468,094
Number positive reactors	58,321 (13.1%)	20,837 (21.1%)	284 (30.8%)	79,442 (16.9%)

RESULTS OF THE STUDY OF 64,470 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of chest			64,470
Number reactors diagnosed as having tuberculosis		7,963	
White	5,533		
Colored	2,390		
Indian	40		
Primary tuberculosis	7,246		
Reinfection tuberculosis	501		
Primary and reinfection tuberculosis	173		
Extra-pulmonary	33		
Extra-pulmonary and reinfection	6		
Extra-pulmonary and primary	3		
Miliary tuberculosis	1		
Number of reactors classified as suspicious		4,641	
Number of reactors classified as having no demonstrable tuberculosis		51,866	

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium in Co-operation with Local Health and School Authorities During School Sessions 1938-1939 and 1939-1940

RESULTS OF TUBERCULIN TEST

(0.1 cc. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Total
Number given tuberculin test	89,396	32,515	*121,911
Number positive reactors	14,476 (16%)	7,043 (22%)	21,519 (18%)

*87,145 of these were given tuberculin tests by local health officers, the X-rays and their interpretations were made by staff of Extension Department of North Carolina Sanatorium.

RESULTS OF THE STUDY OF 14,660 REACTORS HAVING X-RAYS

RACE	Number Having X-rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	%	Number	%	Number	%
White	9,073	1,003	10.1	316	3.4	7,754	85.4
Negro	5,587	651	11.6	192	3.4	4,744	84.9
Total	14,660	1,654	11.2	508	3.5	12,498	83.8

Primary type lesions	1,521
Reinfection type lesions	116
Primary and reinfection type lesions	17
Total	1,654

NORTH CAROLINA SANATORIUM
WHITE DIVISION

MEDICAL REPORT
July 1938-July 1940

Statistical

	1938-1939	1939-1940	TOTAL
Number of patients to be reported on (discharged)	376	338	714
Number not tuberculous	10	18	28
Number of patients in Sanatorium July 1	286	285	571
Total number of patients treated	672	641	1,313
Hospital days	101,689	103,439	205,128

NORTH CAROLINA SANATORIUM
PATIENTS WHO STAYED LESS THAN NINETY DAYS
1938-1940

CONDITION ON ADMISSION		1938-39		1939-40		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40
Minimal	43	A	18	A	17	7	7	3	3	8	7				
		B	6	B	2			1	1	5	1				
		C	0	C	0										
Moderately advanced	67	A	13	A	7	3	1	2	2	6	4	2			
		B	22	B	25	2	1		3	14	19	5	2	1	
		C	0	C	0										
Far advanced	66	A	0	A	0										
		B	28	B	16		1			20	8	6	4	2	3
		C	15	C	7					3		9	3	3	4
Primary tuberculosis	2		1		1	1	1								
Total	178		103		75	13	11	6	9	56	39	22	9	6	7

	1938-39	1939-40		1938-39	1939-40		1938-39	1939-40
Total number of days	4,733	3,021	Average stay	45.95	40.26	Shortest stay	4	4

	1938-39	1939-40		1938-39	1939-40
Number gained weight	57	45	Number lost weight	4	4
Average gain	8	5.55	Average loss	4	2.2
Stationary	4	5	Not weighed	34	17

NORTH CAROLINA SANATORIUM
PATIENTS WHO STAYED NINETY DAYS OR OVER
1938-1940

CONDITION ON ADMISSION		1938-39		1939-40		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40
Minimal	39	A	12	A	17	2	1	6	10	4	6				
		B	4	B	6	1	2	2	3	1	1				
		C	0	C	0										
Moderately advanced	249	A	24	A	34	4	4	11	11	9	18				1
		B	109	B	82	5	3	19	12	83	64	1	2	1	1
		C	0	C	0										
Far advanced	247	A	2	A	1			1		1	1				
		B	99	B	109		2	7	7	83	74	5	10	4	16
		C	23	C	13					14	7	3	3	6	3
Extra-pulmonary	1				1								1		
Total	536		273		263	12	12	46	43	195	171	9	16	11	21

	1938-39	1939-40		1938-39	1939-40		1938-39	1939-40
Total number of days	85,524	101,732	Average stay	313.17	386.8	Longest stay	1,493	1,461

	1938-39	1939-40		1938-39	1939-40
Number gained weight	210	198	Number lost weight	31	29
Average gain	15.69	15.92	Average loss	7.54	9.06
Stationary	13	3	Not weighed	19	33

NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1938-39	1939-40
Negative		260	260
Positive	Previous	107	62
	Previous and during residence	7	11
	During residence only	2	5

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		172	147
Positive	On admission	193	177
	During residence	132	141
	On discharge	67	70

SEX, AGE AND CIVIL CONDITION

1938-1939

SEX		AGE						CIVIL CONDITION			
		11-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Widowed	Divorced
Male	171										
Female	205	36	127	105	58	36	14	108	245	12	11
Total	376										

1939-1940

Male	155										
Female	183	25	119	85	56	39	14	113	192	25	8
Total	338										

NORTH CAROLINA SANATORIUM
TUBERCULOUS COMPLICATIONS
1938-1940

Adenitis (cervical)	6
Adenitis (tracheobronchial)	7
Anal fistula	15
Cystitis	1
Empyema	20
Enteritis	48
Epididymitis	3
Hydro-pneumothorax (on admission)	6
Laryngitis	59
Meningitis	2
Miliary tuberculosis	1
Nephritis	6
Osteitis	2
Otitis media	7
Peritonitis	3
Pharyngitis	1
Pleural fistula	1
Pleurisy with effusion	30
Pott's disease	2
Pyo-pneumothorax	2
Spontaneous pneumothorax	6
Tracheobronchitis	10

NON-TUBERCULOUS COMPLICATIONS

Adenoma thyroid	1
Amputation (arm)	1
Anemia (secondary)	11
Ankylosis	2
Appendicitis	2
Arteriosclerosis	12
Arthritis	14
Asthma (bronchial)	4
Atrophy of testicle	2
Auricular fibrillation	2
Blindness (partial)	3
Bronchitis	2
Carious teeth	135
Carcinoma	1
Cataract	3
Cirrhosis of liver	1
Cholecystitis	2
Colitis	1
Congenital deformity (hands and feet)	1
Conjunctivitis	1
Cystitis	2
Cystocele	1
Deafness (partial)	5
Diabetes mellitus	5
Diseased tonsils	88
Dysmenorrhea	2
Eczema	2
Emphysema	1
Epilepsy	2
Erosion of cervix	1
Fracture of coccyx	1
Goitre	3
Hemorrhoids	23
Hernia	12
Hookworm	15
Hydrocele	1
Hypertension	23
Hypertrophied prostate	4
Icthyosis	2
Ischio-rectal abscess	1
Lipoma	1
Lues	9
Mitral regurgitation	1
Mitral stenosis	1
Myocarditis	3
Nasal polyp	1
Nephritis	8
Neurasthenia	3
Obesity	1
Otitis media	8
Paralysis (partial)	2
Pediculosis pubis	2
Pellagra	1
Pes planus	1
Pharyngitis	3
Phlebitis	1
Pregnancy	1
Prostatitis	1
Pilonidal sinus	1
Psychosis	1
Pulmonary embolus	1
Pyorrhea	64
Rectocele	1
Retroversion of uterus	1
Rhinitis	19
Sclerosis (spinal cord)	1
Scoliosis	2
Silicosis	1
Sinus (abdominal)	1
Sinusitis	5
Stomatitis	2
Strabismus	3
Subdeltoid bursitis	1
Tapeworm infection	1
Tumor (benign)	1
Varicocele	4
Varicose veins	2

NORTH CAROLINA SANATORIUM
OCCUPATIONS

Baker	1
Barber	8
Boarding house keeper	1
Bookkeeper	3
Brick mason	1
Bus driver	1
Butcher	3
Cafe operator	3
Cannery operator	1
Carpenter	7
Civil engineer	1
Clerk	30
Contractor	2
Cotton mill operator	85
Deputy collector	1
Deputy sheriff	1
Dietitian	1
Druggist	1
Electrician	2
Engineer	1
Express messenger	1
Farmer	118
Federal employee	1
Filling station operator	6
Factory (tobacco) operator	8
Florist	1
Graduate nurse	33
Granite quarry	3
Housework	236
Insurance salesman	2
Laborer	17
Laundryman	1
Lawyer	1
Librarian	1
Linotype operator	1
Machinist	6
Mail clerk	1
Mechanic	4
Merchant	1
Metal smith	3
Minister	3
Painter	4
Physician	2
Plumber	3
Postal clerk	3
Postmaster	1
Printer	3
Radio	1
Railway mail clerk	3
Railroad shop operator	3
Register of deeds	2
Salesman	8
Seamstress	6
Steam fitter	1
Stenographer	14
Students	37
Teacher	4
Telephone manager	1
Telephone operator	1
Theatre operator	1
Tobacco warehouseman	4
Truck driver	4
Upholsterer	1
Waitress	2

NORTH CAROLINA SANATORIUM

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

	CHILDREN				WHITE		COLORED		PRISON		TOTAL	
	WHITE		COLORED									
	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40
July	52	39	5	10	224	252	17	52	9	12	307	365
August	28	71	7	18	274	311	39	45	6	12	354	457
September	60	69	52	3	222	231	35	43	8	8	377	354
October	34	23	11	11	269	237	32	84	2	9	348	364
November	32	29	7	16	191	201	29	19	4	8	263	273
December	25	19	0	2	215	203	14	24	6	9	260	257
January	44	31	21	9	247	201	40	35	4	6	356	282
February	42	20	8	14	198	178	33	26	9	7	290	245
March	43	49	6	9	252	207	41	185	8	5	350	455
April	45	42	28	12	286	260	63	43	5	6	427	363
May	50	37	29	23	151	281	44	39	6	6	280	386
June	21	45	16	13	335	234	54	61	6	9	432	362
Total	476	474	190	140	2,864	2,796	441	656	73	97	4,044	4,163

CLASSIFICATION

Positive diagnosis	32	26	19	10	263	211	91	87	36	63	441	397
Negative diagnosis	360	346	144	123	1,394	1,331	265	442	34	26	2,197	2,268
Re-examinations	84	102	27	7	1,207	1,254	85	127	3	8	1,406	1,498
Total	476	474	190	140	2,864	2,796	441	656	73	97	4,044	4,163

NORTH CAROLINA SANATORIUM
SUMMARY OF MEDICAL REPORT
(White Division)
July 1, 1938-July 1, 1940

	1938-1939	1939-1940	Total
Patients admitted			
Minimal	53	48	101
Moderately advanced	162	143	305
Far advanced	167	154	321
Extra-pulmonary	0	1	1
Primary tuberculosis	2	0	2
Not tuberculous	7	9	16
Total	391	355	746
Patients discharged			
Apparently arrested	25	23	48
Quiescent	52	52	104
Improved	251	210	461
Unimproved	31	25	56
Died	17	28	45
Total	376	338	714

NORTH CAROLINA SANATORIUM
REPORT OF X-RAY LABORATORY
(All Divisions)
July 1, 1938-June 30, 1940

	White	Colored	Prison	Total
Stereoroentgenograms of chest Sanatorium patients	1,034	561	76	1,671
Stereoroentgenograms of chest Sanatorium clinic patients	252	35	0	287
Double Roentgenograms of chest Sanatorium patients	81	41	0	122
Double Roentgenograms of chest Sanatorium clinic patients	269	163	0	432
Double Roentgenograms of chest children's clinics	4,364	2,345	0	6,709
Single Roertgenograms of chest Sanatorium patients	1,768	627	170	2,565
Single Roentgenograms of chest Sanatorium clinic patients	1,748	296	21	2,065
Single Roentgenograms of chest children's clinics	161	398	0	559
Single Roentgenograms of chest adult clinics	6,379	3,111	0	9,490
Miscellaneous X-rays	632	136	33	801
Total	16,688	7,713	300	24,701
X-ray treatments	61	129	8	198

NORTH CAROLINA SANATORIUM
LABORATORY REPORT
(All Divisions)

July 1, 1938-June 30, 1940

	White	Colored	Prison	Total
Sputanalyses				
Micro	7,314	3,858	648	11,820
Chem.	1,708	827	97	2,632
Total	9,022	4,685	745	14,452
Urinalyses				
Micro	1,698	770	123	2,591
Chem.	3,402	766	123	4,291
Total	5,100	1,536	246	6,882
Blood				
W. B. C.	1,119	621	117	1,857
R. B. C.	1,078	651	113	1,842
Hemoglobin	1,081	645	113	1,839
C. I.	953	606	113	1,672
Differential	1,067	609	117	1,793
Kline	988	889	119	1,996
Wassermann	33	45	7	85
Malaria	52	4	2	58
Urea	1	0	0	1
Type	26	30	0	56
Coagulation	49	32	1	82
Sedimentation	25	1	0	26
Sugar	84	5	0	89
Undulant fever	2	0	0	2
Blood chemistry	3	0	0	3
Culture	16	1	0	17
Widal	2	0	0	2
Laughlen	4	1	0	5
N. P. N.	1	1	0	2
Platelet	1	0	0	1
Agglutination	6	0	0	6
Total	6,591	4,141	702	11,434
Feces	1,038	573	107	1,718
Phthalein	2	4	0	6
Gastric	25	6	1	32
Pleural fluid	369	86	12	476
B. M. R.	16	5	0	21
Bacteriological	180	372	14	566
Vital capacity	69	38	3	110
Abdominal fluid	2	0	0	2
Autopsy	8	46	3	57
Guinea pig inoculation	1	5	0	6
Guinea pig autopsy	14	4	0	18
Spinal fluid	8	2	3	13
Pleural fluid culture	80	7	2	89
Friedmann's test	1	0	0	1
Stomach washings	0	3	0	3
Total	1,813	1,151	145	3,109
Milk: Bacterial count				22
Total examinations and tests				35,899

NORTH CAROLINA SANATORIUM

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. N. S. Hurd, Pinehurst
Junior Chamber of Commerce, Southern Pines
Pinehurst Incorporated, Pinehurst
Mr. C. C. Cranford, Asheboro
Mrs. Alline Jeffords, Pikeville
Mrs. R. B. Lawson, Chapel Hill
Carey Newton Sunday School Class, First Baptist Church, Goldsboro
American Bible Society, Richmond, Va.
Mrs. Coy Collins, Raleigh

Flowers:

Ladies' Auxiliary, Hillsboro Presbyterian Church, Hillsboro
Mr. C. A. Ballentine, Varina
Mr. and Mrs. E. M. Harris, Aberdeen

Miscellaneous:

Pinehurst School Junior Red Cross, Pinehurst
Mrs. J. A. Bizzell, Chapel Hill
Mr. J. M. Gibson, Montgomery, Ala.
Mrs. Franklin, New York
Mr. Alexander Weinstein, Raleigh

Cash Donations:

Mr. S. Donald Sherrerd, Pinehurst
Miss Mingle, State Board of Health, Raleigh

NORTH CAROLINA SANATORIUM

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1938-1939	1939-1940	Total
Number of patients to be reported on (discharged)	48	42	90
Number not tuberculous	4	3	7
Number of patients in Sanatorium July 1	43	40	83
Total number of patients treated	95	85	180

SUMMARY MEDICAL REPORT

			1938-1939	1939-1940	Total
Patients admitted					
Reinfection type tuberculosis			16	11	27
	1938-1939	1939-1940			
Minimal	9	10			
Moderately advanced	7	1			
Far advanced	0	0			
Primary tuberculosis			41	30	71
Not tuberculous			0	1	1
Total			57	41	98
Patients discharged					
Apparently healed			44	30	74
Apparently inactive			2	7	9
Improved			2	5	7
Total			48	42	90

SEX AND AGE

	1938-1939	1939-1940	Total
Sex			
Male	25	17	42
Female	23	25	48
Total	48	42	90
Age			
22 months to 9 years	15	16	31
10 to 18 years	33	26	59
Total	48	42	90

TUBERCULOUS COMPLICATIONS

Adenitis (tracheobronchial)	14	Pleurisy with effusion	1
Osteitis of tibia	1		

NON-TUBERCULOUS COMPLICATIONS

Bronchitis (chronic)	1	Paralysis (facial)	1
Carious teeth	12	Pediculosis	2
Diseased tonsils	20	Phimosis	2
Dwarf tapeworm	1	Pneumonitis	1
Heart disease	1	Scabies	2
Hookworm disease	5	Secondary anemia	1
Lues	1	Round worm infection	1
Otitis media	2		

NORTH CAROLINA SANATORIUM

NEGRO DIVISION

MEDICAL REPORT

Statistical

	1938-1939	1939-1940	Total
Number of patients to be reported on (discharged)	202	233	435
Number not tuberculous	14	15	29
Number of patients in Sanatorium July 1	171	273	444
Total number of patients treated	387	521	908
Hospital days	64,591	77,476	142,067

NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED LESS THAN NINETY DAYS

CONDITION ON ADMISSION		1938-39		1939-40		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40
Minimal	10	A	5	A	3		1		1	5					1
		B	1	B	1					1			1		
		C	0	C	0										
Moderately advanced	13	A	3	A	2		1			3	1				
		B	1	B	7		4		1	1			2		
		C	0	C	0										
Far advanced	55	A	1	A	1					1					1
		B	11	B	7	1	1			6	1	2	1	2	4
		C	18	C	17							9	1	9	16
Primary tuberculosis	15		5		10	1	10			4					
Total	93		45		48	2	17	0	2	21	2	11	5	11	22

	1938-39	1939-40		1938-39	1939-40		1938-39	1939-40
Total number of days	1,985	1,767	Average stay	44	36.81	Shortest stay	8	2

	1938-39	1939-40		1938-39	1939-40
Number gained weight	21	14	Number lost weight	12	11
Average gain	5.42	3.9	Average loss	7.48	6.6
Stationary	0	4	Not weighed	12	19

NORTH CAROLINA SANATORIUM
PATIENTS WHO STAYED NINETY DAYS OR OVER
1938-1940

CONDITION ON ADMISSION		1938-1939		1939-40		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40
Minimal	26	A	10	A	10	4	10			6					
		B	1	B	5	1	5								
		C	0	C	0										
Moderately advanced	74	A	13	A	9	2	8			9	1			2	
		B	21	B	30	8	25	1		10	3	1		1	2
		C	1	C	0									1	
Far advanced	204	A	0	A	2		2								
		B	58	B	90	4	40	4	1	23	12	10	9	17	28
		C	29	C	25	2	2			6	1	9	2	12	20
Primary tuberculosis	38		24		14	9	14			14				1	
Total	342		157		185	30	106	5	1	68	17	20	11	34	50

	1938-39	1939-40		1938-39	1939-40		1938-39	1939-40
Total number of days	54,591	64,293	Average stay	347.7	347.5	Longest stay	1,249	1,217

	1938-39	1939-40		1938-39	1939-40
Number gained weight	104	113	Number lost weight	19	27
Avearge gain	15.75	15.06	Average loss	14.75	9.5
Stationary	2	6	Not weighed	32	39

NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1938-1939	1939-1940
Negative		143	169
Positive	Previous only	34	56
	Previous and during residence	16	3
	During residence only	9	5

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		78	83
Positive	On admission	119	146
	During residence	85	126
	On discharge	61	77

SEX, AGE AND CIVIL CONDITION

1938-1939

SEX	Total	AGE						CIVIL CONDITION			
		2-9	10-19	20-29	30-39	40-49	50-65	Single	Married	Widowed	Divorced
Male	92										
Female	110	19	50	79	37	13	4	104	83	11	4
Total	202										

1939-1940

Male	120										
Female	113	13	55	79	45	22	19	116	103	11	3
Total	233										

NORTH CAROLINA SANATORIUM
OCCUPATIONS
1938-1940

Barber	2
Bookkeeper	1
Butler	1
Carpenter	2
Chauffeur	5
Clerk	2
Cook	14
Dry cleaner	3
Farmer	110
Filling station	4
Furniture factory	2
Granite quarry	2
Hotel boy	2
Housework	85
Janitor	3
Laborer	45
Laundress	3
Maids	4
Mechanic	2
Mill work	3
Minister	1
Musician	1
Nurse	2
Orderly	2
Painter	1
Porter	1
Seamstress	1
Secretary	1
Shoe shine	1
Student	106
Student nurse	2
Teacher	5
Tobacco factory	9
Truck driver	3
Undertaker	1
Waiter	3

NORTH CAROLINA SANATORIUM
TUBERCULOUS COMPLICATIONS
1938-1940

Adenitis (cervical)	10
Adenitis (tracheobronchial)	24
Empyema	7
Enteritis	39
Epididymitis	1
Ischio-rectal abscess	16
Keratitis	1
Laryngitis	54
Meningitis	1
Osteitis	5
Otitis media	6
Peritonitis	9
Pleurisy with effusion	28
Pott's disease	2
Scrofula	4
Tuberculoma of the brain	1

NON-TUBERCULOUS COMPLICATIONS

Abdominal sinus	1
Alopecia	1
Amputation (leg)	1
Anemia (secondary)	4
Anemia sickle cell	1
Arthritis	1
Arteriosclerosis	2
Asthma	1
Carious teeth	144
Cystocele	2
Deafness (partial)	5
Decubitus ulcer	3
Diseased tonsils	93
Endocarditis	8
Epilepsy	1
Erosion of cervix	3
Goitre	12
Harelip	1
Hemorrhoids	18
Hernia	7
Hookworm	3
Hypertension	5
Inguinal adenitis	1
Iritis	1
Kyphosis (dorsal)	1
Laceration of cervix	9
Measles	1
Mastoiditis	1
Myocarditis	1
Nasal polyp	1
Nephritis	4
Osteoma femur	1
Otitis media	2
Peptic ulcer	2
Pharyngitis	1
Phimosis	1
Phlebitis	1
Pregnancy	3
Psychosis	1
Pulmonary embolus	1
Pyodermia	1
Pyorrhea	77
Syphilis	42
Tenia saginata	2
Varicose veins	1

NORTH CAROLINA SANATORIUM

SUMMARY MEDICAL REPORT

(Negro Division)

	1938-1939	1939-1940	Total
Patients admitted			
Minimal	53	26	79
Moderately advanced	162	56	218
Far advanced	167	221	388
Extra-pulmonary	1	0	1
Primary tuberculosis	2	32	34
Not tuberculous	7	14	21
Total	391	350	741
Patients discharged			
Apparently arrested	32	123	155
Quiescent	5	3	8
Improved	89	19	108
Unimproved	31	16	47
Died	45	72	117
Total	202	233	435

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Mrs. W. C. Fownes, Jr., Pinehurst
Mrs. Robert C. Dye, Fayetteville
Iredell County School Teachers, Statesville
Lend-A-Hand Book Mission, Boston, Mass.
Mrs. Mary C. Holliday, Statesville
Miss Mary Phillips, Aberdeen
Mr. S. B. Chapin, Myrtle Beach, S. C.
Mrs. F. L. Terry, Black Mountain
Mrs. W. C. Andrews, Southern Pines
Moore County Ladies' Auxiliary, Southern Pines
Mr. P. T. Kelsey, Southern Pines
Miss Bair, Southern Pines
Mrs. Frankie Cameron, Southern Pines
Miss Gladys Hussey, Southern Pines
Miss Barbara Backer, Southern Pines
Mrs. P. L. Kirk, Southern Pines

NORTH CAROLINA SANATORIUM

PRISON DIVISION

MEDICAL REPORT

	1938-1939	1939-1940	Total
Number of patients to be reported on (discharged)	37	66	103
Number not tuberculous	3	9	12
Number of patients in Sanatorium July 1	37	36	73
Total number of patients treated	77	111	188
Hospital days	13,705	14,861	28,566

SUMMARY MEDICAL REPORT

	1938-1939	1939-1940	Total
Patients admitted			
Minimal	1	7	8
Moderately advanced	10	25	35
Far advanced	24	34	58
Extra-pulmonary	0	1	1
Primary type tuberculosis	0	1	1
Not tuberculous	7	4	11
Total	42	72	114
Patients discharged			
Apparently arrested	9	27	36
Quiescent	3	5	8
Improved	11	7	18
Unimproved	8	23	31
Died	6	4	10
Total	37	66	103

THE NORTH CAROLINA SANATORIUM

Revenue and Expenditures

EXTENSION FUND

For the Two Years Ended June 30, 1939-40

	Fiscal Year 1938-1939	Fiscal Year 1939-1940
Revenue		
Appropriation	$ 24,769.00	$ 25,370.00
Institutional receipts	49.75	56.00
Total revenue	$ 24,845.75	$ 25,426.00
Expenditures		
Salaries and wages	$ 16,051.26	$ 14,542.92
Supplies and materials	551.59	602.36
Postage, telephone and telegraph	845.80	893.32
Travel expense	4,675.61	4,947.41
Printing and binding	1,557.43	1,187.56
Equipment	600.95	1,782.13
	$ 24,282.64	$ 23,955.70
Unexpended balance	$ 563.11	$ 1,470.39

THE NORTH CAROLINA SANATORIUM

Revenue and Expenditures

MAINTENANCE FUND

	Fiscal Year 1938-1939	Fiscal Year 1939-1940
Revenue		
Appropriation	$ 211,431.00	$ 201,917.00
Institutional receipts	101,384.86	110,928.31
Fire loss	14,396.87	----------
Transfer	1,800.00	----------
Total revenue	$ 329,012.73	$ 312,845.31
Expenditures		
Administration	$ 13,125.13	$ 13,040.32
Professional care	57,735.12	60,478.12
Custodial care	145,019.45	149,710.78
Operation of plant	25,867.06	28,732.98
Maintenance of plant	19,901.94	16,351.15
Agriculture	35,837.91	37,362.89
Additions and betterments	12,684.64	1,457.20
	$ 310,271.25	$ 307,133.44
Unexpended balance	$ 18,741.48	$ 5,711.87

THE NORTH CAROLINA SANATORIUM

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1939-1940

	Fiscal Year 1938-1939	Fiscal Year 1939-1940
Administration	$ 24.63	$ 22.29
Professional care and treatment	108.31	103.39
Custodial care	272.08	255.90
Operation of plant	48.72	49.12
Maintenance of plant	37.34	27.95
Agriculture	67.24	63.87
Additions and betterments	23.80	2.48
Totals	$ 582.12	$ 525.00
From appropriation	$ 361.52	$ 335.38
From own receipts	220.60	189.62
Average number of patients	533	585

WESTERN NORTH CAROLINA SANATORIUM

POPULATION MOVEMENT

1938-1939

	WHITE ADULTS			
	Total	Men	Women	Total
1. Patients in hospital at beginning of year	126	64	62	126
Admissions during year				
New admissions	367	164	203	367
Readmissions	2	0	2	2
Transfers from Eastern Sanatorium	11	6	5	11
Total admissions	380	170	210	380
Separations during year				
Apparently arrested	7	2	5	7
Quiescent	53	22	31	53
Improved	83	39	44	83
Unimproved	33	18	15	33
Died	12	10	2	12
Not classified	4	3	1	4
Not tuberculous	23	13	10	23
Total separations	215	107	108	215
Patients in hospital at end of year	291	127	164	291
Average daily population				184
Normal capacity				300*

*—Capacity 300 at end of June 1939 after opening of New Wing in February, 1939.

WESTERN NORTH CAROLINA SANATORIUM

POPULATION MOVEMENT

1939-1940

	WHITE ADULTS			
	Total	Men	Women	Total
Patients in hospital at beginning of year	302	136	166	302
Admissions during year				
New admissions	313	129	184	313
Readmissions	13	8	5	13
Transfers from Eastern Sanatorium	18	6	12	18
Total admissions	344	143	201	344
Separations during year				
Apparently arrested	9	1	8	9
Quiescent	102	32	70	102
Improved	143	65	78	143
Unimproved	28	14	14	28
Died	21	10	11	21
Not classified	0	0	0	0
Not tuberculous	30	13	17	30
Total separations	333	135	198	333
Patients in hospital at end of year	302	136	166	302
Average daily population				297
Normal capacity				300

WESTERN NORTH CAROLINA SANATORIUM

SUMMARY OF TWO YEARS' WORK

July 1, 1938-June 30, 1940

	1938-1939	1939-1940
Letters and postals received	7,217	8,313
Individual letters written	8,996	10,844
Articles copied (approximate number of words)	4,950	15,250
Patients' histories written	316	279
Approximate number of words in patients' histories	473,000	418,500
Envelopes addressed	10,295	11,637
Enclosures sent out	1,960	850
Literature sent out	499	376
Sputum cups distributed	9,900	15,350
Tuberculin sent to physicians	4,440	2,010
X-ray films sent for interpretation	597	800
Operations		
Report of phrenic operations	143	168
Report of pneumolyses	3	8
Report of thoracoplasties	66	88
Report of thoracotomies	1	0
Lobectomy	1	0
Pneumonectomy	0	1
Rib resection and drainage	2	1
Appendectomy	2	8
Bronchoscopy	36	78
Major	15	11
Minor	5	53
Blood transfus ons	4	9

REPORT OF DR. S. M. BITTINGER, M. D.

	1938-1939	1939-1940
Days out of office	31	35
Addresses delivered	4	3
Number in audience	480	200

WESTERN NORTH CAROLINA SANATORIUM

REPORT OF TUBERCULOSIS CLINICS—X-RAY

	1938-1939			1939-1940		
	White	Colored	Total	White	Colored	Total
Childhood type positive	32	5	37	126	0	126
Childhood type (suspicious)	14	1	15	33	3	36
Adult and childhood type (healed)	2	2	4	1	0	1
Adult type positive	0	1	1	1	0	1
Adult type (suspicious)	0	0	0	0	4	4
Negative	173	19	192	528	31	559
Total	221	28	249	689	38	727

MEDICAL REPORT

Statistical

	1938-1939	1939-1940	Total
Number of patients to be reported on (discharged)	215	333	548
Number not classified	4	0	4
Number not tuberculous	23	30	53
Number of patients in Sanatorium July 1st	291	302	593
Total number of patients treated	533	665	1,198
Hospital days	67,032	108,779	175,811

WESTERN NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1938-39	1939-40	Total
Negative		129	189	318
Positive	Previous	76	137	213
	Previous and during residence	9	7	16
	During residence only	1	0	1

RESULT OF SPUTUM EXAMINATIONS

	1938-39	1939-40	Total
Negative or no sputum	80	114	194
Positive			
On admission	24	53	77
During residence	8	9	17
On discharge	1	3	4
On admission and during residence	29	57	86
During residence and on discharge	3	6	9
On admission, during residence and on discharge	70	91	161

WESTERN NORTH CAROLINA SANATORIUM

SEX, AGE AND CIVIL CONDITION

1938-39

SEX	AGE—1938-39						CIVIL CONDITION			
	12-19	20-29	30-39	40-49	50-59	60-65	Single	Married	Widowed	Divorced
Male 107										
Female 108										
Total 215	16	76	77	24	15	7	54	153	6	2

1939-40

SEX	AGE—1939-40						CIVIL CONDITION			
	13-19	20-29	30-39	40-49	50-59	60-67	Single	Married	Widowed	Divorced
Male 133										
Female 200										
Total 333	29	112	110	53	23	6	87	229	15	2

WESTERN NORTH CAROLINA SANATORIUM

SUMMARY OF MEDICAL REPORT

July 1, 1938 to June 30, 1940

	1938-39	1939-40	Total
Patients admitted			
Minimal	9	16	25
Moderately advanced	114	106	220
Far advanced	230	189	419
Childhood tuberculosis	1	1	2
Extra-pulmonary	0	1	1
Not tuberculous	10	7	17
Not classified	16	24	40
Total	380	344	724
Patients discharged			
Apparently arrested	7	9	16
Quiescent	53	102	155
Improved	83	143	226
Unimproved	33	28	61
Died	12	21	33
Not tuberculous	23	30	53
Not classified	4	0	4
Total	215	333	548

WESTERN NORTH CAROLINA SANATORIUM

CLASSIFICATION OF VARIOUS TYPES OF NON-TUBERCULOUS CASES—1938-1940

1. Arteriovenous aneurism (femoral artery and vein)	1
2. Bronchiectasis	16
3. Bronchopnuemonia	1
4. Empyema (chronic)	1
5. Lung abscess	4
6. Pleurisy with effusion	1
7. Pneumonitis	10
8. Pneumonitis (suppurative)	1
9. Pulmonary fibrosis (chronic)	2
10. Pulmonary malignancy (metastatic sarcoma, probable)	1
11. Silicosis	4
12. Spontaneous pneumothorax (non-tuberculous)	1
13. Tracheobronchial tuberculosis (healed)	3
14. No pulmonary disease of any kind	7
TOTAL	53

WESTERN NORTH CAROLINA SANATORIUM
PATIENTS WHO STAYED LESS THAN NINETY DAYS
1938-1940

CONDITION ON ADMISSION		1938-39		1939-40		CONDITION ON DISCHARGE: Apparently Arrested 1938-39	Apparently Arrested 1939-40	Quiescent 1938-39	Quiescent 1939-40	Improved 1938-39	Improved 1939-40	Unimproved 1938-39	Unimproved 1939-40	Died 1938-39	Died 1939-40
Minimal	10	A	1	A	4	1	2		1		1				
		B	3	B	2	2	1		1	1					
		C	0	C	0										
Moderately advanced	54	A	6	A	6			1	1	4	3	1	2		
		B	19	B	23			2	2	13	18	3	3	1	
		C	0	C	0										
Far advanced	80	A	0	A	0										
		B	22	B	21					10	16	10	4	2	1
		C	21	C	16					6	2	12	11	3	3
Total	144		72		72	3	3	3	5	34	40	26	20	6	4
Non-tuberculous	50		22		28										
Not classified	4		4		0										
Total	198		98		100										

	1938-39	1939-40		1938-39	1939-40		1938-39	1939-40
Total number of days	3,733	3,905	Average stay	38.09	39.05	Shortest stay	1	1

	1938-39	1939-40		1938-39	1939-40
Number gained weight	45	45	Number lost weight	21	23
Average gain	5.04	6.25	Average loss	3.4	5.1
Stationary	4	7	Not weighed	28	25

PATIENTS WHO STAYED NINETY DAYS OR OVER

1938-1940

CONDITION ON ADMISSION		1938-39		1939-40		CONDITION ON DISCHARGE: Apparently Arrested 1938-39	Apparently Arrested 1939-40	Quiescent 1938-39	Quiescent 1939-40	Improved 1938-39	Improved 1939 40	Unimproved 1938-39	Unimproved 1939-40	Died 1938-39	Died 1939-40
Minimal	3	A	1	A	1	1	1								
		B	1	B	0	1									
		C	0	C	0										
Moderately advanced	124	A	11	A	17		3	10	13	1	1				
		B	27	B	66	1	2	18	43	8	18				3
		C	0	C	3				3						
Far advanced	220	A	0	A	2				2						
		B	53	B	98	1		18	30	29	63	2	3	3	2
		C	23	C	44			4	6	11	21	5	5	3	12
Total	347		116		231	4	6	50	97	49	103	7	8	6	17
Non-tuberculous	3		1		2										
Total	350		117		233										

	1938-39	1939-40		1938-39	1939-40		1938-39	1939-40
Total number of days	31,741	67,188	Average stay	271	288	Longest stay	585	849

	1938-39	1939-40		1938-39	1939-40
Number gained weight	82	144	Number lost weight	21	55
Average gain	11.48	12	Average loss	5.71	8
Stationary	2	3	Not weighed	13	31

WESTERN NORTH CAROLINA SANATORIUM

REPORT OF X-RAY LABORATORY

July 1, 1938 to June 30, 1940

	White	Colored	Total
Stereoroentgenograms of chest Sanatorium patients	714		714
Stereoroentgenograms of chest Sanatorium clinic patients	58		58
Stereoroentgenograms of chest children's clinics	5		5
Double Roentgenograms of chest Sanatorium patients	5		5
Double Roentgenograms of chest Sanatorium clinic patients	18	4	22
Double Roentgenograms of chest children's clinics	648		648
Single Roentgenograms of chest Sanatorium patients	1,865		1,865
Single Roentgenograms of chest Sanatorium clinic patients	1,157	111	1,268
Single Roentgenograms of chest children's clinics	442	3	445
Single Roentgenograms of chest adult clinics	463	29	492
Miscellaneous X-rays	262	4	266
X-ray reprints	26		26
Total	5,663	151	5,814
Treatments	45		45

WESTERN NORTH CAROLINA SANATORIUM

LABORATORY REPORT

July 1, 1939 to June 30, 1940

	White	Colored	Total
Sputanalyses			
Micro.	5,103		5,103
Chem.	1,139		1,139
Total	6,242		6,242
Urinalyses			
Micro.	1,826		1,826
Chem.	3,551		3,551
Total	5,377		5,377
Blood			
W. B. C.	1,326		1,326
R. B. C.	1,207		1,207
Hemoglobin	1,181		1,181
Color index	1,154		1,154
Differential count	1,291		1,291
Kline	1,104	77	1,181
N. P. N.	127		127
Laughlen	17		17
Urea	3		3
Typing	332		332
Bleeding and coagulation	6		6
Sedimentation index	1,857		1,857
Icterus index	2		2
Blood sugar	15		15
Vandenberg	1		1
Vital capacity	312		312
Total	9,935		10,012
Feces	1,012		1,012
Phthalein	91		91
Gastric	7		7
Pleural fluid	152		152
Pleural and spinal fluid	10		10
B. M. R.	33		33
Bacteriological smears	357		357
Gram stain	4		4
Autogenous vaccines	3		3
Cultures	511		511
Autopsies	14		14
Total	2,194		2,194
Total examinations and tests			23,825

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1939 to June 30, 1940

	CHILDREN		WHITE		COLORED		TOTAL	
	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40	1938-39	1939-40
July	19	38	107	203	0	3	126	244
August	16	37	104	236	0	4	120	277
September	24	46	111	218	1	6	136	270
October	27	25	124	127	2	21	153	173
November	12	59	98	196	1	11	111	266
December	20	32	89	123	3	2	112	157
January	21	8	138	90	8	2	167	100
February	17	31	150	159	7	12	174	202
March	42	34	136	185	21	15	199	234
April	37	41	149	218	3	9	189	268
May	40	57	171	295	7	15	218	367
June	39	21	237	134	8	8	284	163
Total	314	429	1,614	2,184	61	108	1,989	2,721

CLASSIFICATION

Positive diagnosis	25	11	153	136	13	22	191	169
Negative diagnosis	247	353	987	1,353	43	57	1,277	1,763
Re-examinations	42	65	474	695	5	29	521	789
Total	314	429	1,614	2,184	61	108	1,939	2,721

WESTERN NORTH CAROLINA SANATORIUM

OCCUPATIONS—1938-1940

Auditor	1
Baker	1
Barber	4
Beautician	1
Bookkeeper	1
Carpenter	4
Cashier	1
Clerk	10
Conductor	1
Contractor	1
Construction work	2
Cook	1
Dentist	1
Dry cleaner	2
Dye plant worker	1
Electrician	6
Farmer	67
First-aid attendant	1
Gift shop	1
Grocer	1
Housework	174
Laborer	10
Lather	1
Laundryman	1
Lawyer	2
Machinist	4
Mechanic	6
Merchant	2
Miner	6
Nurse	10
Office work	1
Painter	1
Plumber	1
Postal clerk	1
Produce grader	1
Prison guard	1
Refinisher	1
Real estate dealer	1
Reporter	2
Salesman	14
Saw mill worker	1
Seamstress	1
Service station work	3
Stenographer	5
Stone worker	2
Student	21
Tanner	1
Taxidermist	1
Teacher	9
Telephone operator	1
Textile	84
Truck driver	5
Upholsterer	1
Waiter	5
W. P. A.	3

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	4
Anal fistula	16
Ankylosis	1
Bronchial fistula	2
Cold abscess	2
Draining sinus	1
Empyema	4
Enteritis	23
Hydropneumothorax	14
Hydrothorax (obliterative)	3
Interstitial keratitis	1
Ischiorectal abscess (with fistula)	2
Laryngitis	44
Meningitis	2
Miliary tuberculosis of throat	1
Nephritis	6
Obliterative pleuritis	1
Oleothorax	1
Otitis media (chronic)	6
Peri-anal fistula	1
Peritonitis	2
Pharyngitis	4
Pleurisy with effusion	22
Pleurisy (fibrinous)	1
Pott's disease	1
Pyopneumothorax	7
Spontaneous pneumothorax	11
Tracheobronchial tuberculosis	11
Tuberculous pneumonia	1

NON-TUBERCULOUS COMPLICATIONS

Acne	12
Acute appendicitis	4
Adenoma	5
Adentia	13
Anal Fissure	1
Anemia (secondary)	27
Ankylosis	1
Antiflexion of uterus	1
Arcus Senilis	2
Arthritis	10
Arteriosclerosis	1
Artificial eye	1
Blepharitis	6
Blindness (traumatic)	1
Bronchiectasis	7
Cardiac hypertrophy	1
Carious teeth	181
Chloasma	1
Clubbed fingers	1
Conjunctivitis	2
Colitis (ulcerative)	1
Cyst (scalp)	1
Cystitis	2
Cystocele	18
Deafness (partial)	12
Defective speech	1
Defective vision	6
Diabetes Mellitus	5
Dermatitis	3
Diseased tonsils	42
Endcervicitis	29
Endometritis (hypertrophic)	1
Epididymitis	2
Epithelioma (squamous cell)	4
Empyema	2
Erythematosis	1
Funnel breast	3
Glossitis	1
Hemorrhoids	48
Hepatitis	1
Herpes Zoster	1
Hookworm	9
Hypertension	13
Hyperthyroidism	4
Infantile vagina and uterus	1
Inguinal hernia	5
Keratitis	1
Kyphosis	4
Laceration of perineum	25
Lipoma	1
Lupus	1
Lues	18
Malnutrition	7
Mitral regurgitation	2
Myocarditis	4
Nephritis	2
Nostalgia	1
Obesity	3
Otitis Media	16
Paralysis of left arm (partial)	1
Paresis	1
Paresis of left eye lid	1
Pellagra	1
Pelvic Cellulitis (chronic)	1
Perforation of nasal septum (postoperative)	2
Phlebitis	1
Photophobia	1
Pneumoconiosis	3
Pneumonitis	3
Postoperative abscess of chest wall	1
Pregnancy	2
Procidentia (partial)	2
Prostatitis (chronic)	2
Psoriasis	1
Psycho-neurosis	1
Pyelitis	2
Rectocele	15
Rhinitis	18
Ring worm (eczematoid)	1
Round worm infestation	4
Salpingitis	1
Scoliosis	9
Sebaceous cyst on back	1
Sinusitis (chronic)	8
Strabismus	2
Stricture of anus	1
Trichomonas vaginalis	5
Ulcer of nasal septum	4
Ulnar paralysis	1
Varicocele	1
Varicose veins	1
Wound infection	5

WESTERN NORTH CAROLINA SANATORIUM

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mr. and Mrs. E. C. Applegate, Asheville, N. C.
Mr. Eugene Byrd, Black Mountain, N. C.
Farm School Library, Swannanoa, N. C.
American Legion, Oteen, N. C.
Mrs. Max T. Payne, Greensboro, N. C.
Mrs. I. M. Gordon, Pilot Mountain, N. C.
Mrs. O. N. Swanson, Pilot Mountain, N. C.
Rev. Guy Marlowe, Black Mountain, N. C.
Mrs. Lee Gravely, Rocky Mount, N. C.
Miss Laura M. Fleming, Black Mountain, N. C.
Mrs. J. B. Nichols, Swannanoa, N. C.
Mr. Hubert P. Lane, Cramerton, N. C.
Mrs. Francis Griffith, Ridgecrest, N. C.
Mr. C. C. Crawford, Asheboro, N. C.
Mr. W. H. Kirkendall, Black Mountain, N. C.
Miss Frances Whittemore, Reidsville, N. C.
Mrs. M. L. Stevens, Asheville, N. C.
Rev. W. Greenwood, Black Mountain, N. C.
Mr. A. C. Thompson, Address not given
Miss Ina Jean Church, Wilkesboro, N. C.
Miss Iola Hamlet, Blanche, N. C.
Mrs. Mae Jones, Asheville, N. C.
Mrs. Mae Jones, Asheville, N. C.
Miss Grace Brizendine, Rocky Mount, N. C.
Mrs. W. B. Hart, Hickory, N. C.
Mrs. Lucy O'Neal Mawyer, Danville, Va.
Mrs. J. O. Rodgers, Asheville, N. C.
Mrs. James I. Story, Marshall, N. C.
Mr. Tom Dornin, Durham, N. C.
Mr. W. H. Sherrill, Thomasville, N. C.
Miss Tazzie Coble, Burlington, N. C.
Miss Irma Quigg, Asheville, N. C.
Miss Fannie Pearl Felmet, Waynesville, N. C.
Mrs. E. W. Abee, Morganton, N. C.
Dr. Margaret Burns, Asheville, N. C.
Mr. A. F. White, Asheville, N. C.
Dr. A. D. Cooper, Durham, N. C.
Mr. Fred Gaither, Harmony, N. C.
Miss Elvern Pennington, Asheville, N. C.
Mr. L. Glasser, Asheville, N. C.
Mr. O. N. Swanson, Pilot Mountain, N. C.
Tea & Topic Club, Black Mountain, N. C.
American Legion, Oteen N. C.
Mrs. J. W. Gorham, Asheville, N. C.
Biltmore Chapter of Eastern Star, Biltmore, N. C.
Mrs. G. R. Royal, Asheville, N. C.

Mr. W. C. Honeycutt, Black Mountain, N. C.
Mr. John Leeman, Swannanoa, N. C.
Mrs. Minnie C. Pickens, Asheville, N. C.
Mrs. Upshaw, Black Mountain, N. C.
Mr. Ronald Finch, Black Mountain, N. C.
Mr. Carter Uzzell, Black Mountain, N. C.
Mrs. Alfred Tyson, Black Mountain, N. C.
Mr. Fred Magnant, Swannanoa, N. C.
Mr. and Mrs. Whiting, Oteen, N. C.
Mr. and Mrs. C. Muchette, Oteen, N. C.
Mr. R. L. Woodward, Black Mountain, N. C.
Mrs. Lyons Lee, Asheville, N. C.
Black Mountain Baptist Church
Black Mountain Methodist Church
Episcopal Church, Black Mountain, N. C.
Swannanoa Presbyterian Church
Dr. and Mrs. M. L. Stevens, Asheville, N. C.
Rev. Bell, Pastor of Presbyterian Church, Black Mountain, N. C.

Flowers, Shrubs, and Bulbs:

Mrs. F. S. Terry, Black Mountain, N. C.
Mrs. George Troutman, Hazelwood, N. C.
Mountain Orphanage, Black Mountain, N. C.
Plant, Flower & Fruit Guild, Asheville, N. C.
State Test Farm, Swannanoa, N. C.
Mrs. D. B. Alexander, Swannanoa, N. C.
Putman Dahlia Farm, Black Mountain, N. C.
Nettle's Nursery, Asheville, N. C.
Middlemount Gardens, Inc., Asheville, N. C.
Nightingale Club, Montreat College
Mrs. W. H. Arthur, Asheville, N. C.
Mrs. T. J. Hunter, Swannanoa, N. C.
Mrs. Fred Magnant, Swannanoa, N. C.
Swannanoa School
Mrs. S. M. Wolfe, Swannanoa, N. C.
Mrs. Perry Alexander, Swannanoa, N. C.
Mr. J. B. Nichols, Swannanoa, N. C.
Mrs. D. T. Alexander, Swannanoa, N. C.

Miscellaneous:

Chums Cove Missionary Society, Asheville, N. C.
Mrs. William R. Owens, Asheville, N. C.
Mrs. Fred Magnant, Swannanoa, N. C.
Junior Circle Presbyterian Church, Swannanoa, N. C.
Mr. Lawrence G. Barnhill, Black Mountain, N. C.
Mr. L. T. Brewer, Address not given.
Man's Store, Asheville, N. C.
Bon Marche, Asheville, N. C.

Mrs. H. T. Warren, Durham, N. C.
Miss Leona Harrison, Asheville, N. C.
Mr. Eugene Byrd, Black Mountain, N. C.
Young Woman's Auxiliary, Calvary Baptist Church, Asheville, N. C.
Mrs. Mary Hedrick, Mountain Orphanage, Black Mountain, N. C.
Plant, Flower & Fruit Guild, Asheville, N. C.
Episcopal Church, Black Mountain, N. C.
Swannanoa Presbyterian Church
Nightingale Club, Montreat, N. C.

The hospital is deeply indebted to a number of individuals who contributed cash for a Christmas fund. Also, there were numbers of articles donated for benefit parties, the proceeds of which were placed in the Christmas fund, this fund being used for indigent patients in the hospital.

WESTERN NORTH CAROLINA SANATORIUM

Revenues and Expenditures

MAINTENANCE FUND

For the Two Years Ended June 30, 1939 and 1940

	Fiscal Year 1938-39	Fiscal Year 1939-40
Revenues		
Appropriation	$ 122,890.00	$ 133,775.00
Institutional receipts	37,126.21	59,545.99
	$ 160,016.21	$ 193,320.99
Expenditures		
Administration	$ 15,049.04	$ 15,885.60
Professional care and treatment	35,414.34	42,565.43
Custodial care	78,845.68	90,731.17
Operation of plant	13,372.32	15,051.95
Maintenance of plant	4,125.20	4,461.15
Agriculture	—2.95	----------
Additions and betterments	2,340.25	2,149.89
	$ 149,143.88	$ 170,845.19

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1939 and 1940

	Fiscal Year 1938-39	Fiscal Year 1939-40
Administration	$ 81.79	$ 53.49
Professional care and treatment	192.47	143.31
Custodial care	428.51	305.49
Maintenance of plant	22.42	15.02
Agriculture	—.02	----------
Additions and betterments	12.72	7.24
Operation of plant	72.67	50.68
	$ 810.56	$ 575.23
Average number patients	184	297

BIENNIAL REPORT

OF THE

North Carolina Sanatorium

SANATORIUM, N. C.

AND THE

Western North Carolina Sanatorium

BLACK MOUNTAIN, N. C.

FOR THE TWO YEARS ENDED JUNE 30, 1942

BOARD OF DIRECTORS

MR. L. L. GRAVELY, *Chairman*	Rocky Mount
DR. THURMAN D. KITCHIN, *Vice Chairman*	Wake Forest
MR. C. C. COUNCIL, *Secretary*	Durham
DR. G. E. BELL	Wilson
MR. R. E. FINCH	Black Mountain
MR. ROBERT M. HANES	Winston-Salem
DR. L. P. MARTIN	Mocksville
MR. EDWIN PATE	Laurinburg
MRS. MAX T. PAYNE	Greensboro
DR. CARL V. REYNOLDS	Raleigh
DR. PAUL H. RINGER	Asheville
DR. J. R. TERRY	Lexington
MR. ERNEST V. WEBB	Kinston

PERSONNEL

NORTH CAROLINA SANATORIUM

P. P. MCCAIN, M.D.	Superintendent and Medical Director
C. D. THOMAS, M.D.	Asst. Superintendent and Associate Medical Director
F. T. HARPER, M.D. (1940-41)	Resident Physician
C. L. GRAY, M.D. (1940-41)	Resident Physician
ISAAC HOROWITZ, M.D.	Resident Physician
J. E. G. MCLAIN, M.D.	Resident Physician
JULIA M. JONES, M.D.	Resident Physician
VIRGINIA LEE CONGLETON, M.D.	Resident Physician
LEOPOLD MARKS, M.D.	Resident Physician, Negro Division
G. M. WILKINS, M.D. (1940-41)	Assistant Physician, Negro Division
J. S. SIMMONS, M.D.	Assistant Physician, Negro Division
EULA RACKLEY, R.N.	Superintendent of Nurses
R. G. WHARTON, D.D.S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Purchasing Officer
C. C. MOSS	Cashier
MRS. C. W. COVINGTON	Secretary to Superintendent
MISS CARRIE TOOMER	Dietitian
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R.N.	Superintendent of Nurses, Negro Division

EXTENSION DEPARTMENT OF THE NORTH CAROLINA SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M.D.	Director
H. F. EASOM, M.D.	Chief Clinic Physician
L. B. SKEEN, M.D.	Clinic Physician
W. H. ROPER, M.D.	Clinic Physician
W. M. PECK, M.D.	Clinic Physician

CONSULTING STAFF NORTH CAROLINA SANATORIUM

DR. C. R. MONROE, thoracic and general surgery	Pinehurst
DR. V. K. HART, bronchoscopy and laryngology	Charlotte
DR. J. M. LILLY, eye, ear, nose and throat	Fayetteville
DR. W. P. MCKAY, eye, ear, nose and throat	Fayetteville
DR. O. L. MILLER, orthopedic surgery	Charlotte
DR. D. T. SMITH, bacteriology and internal medicine	Durham
DR. JOHN M. HARRY, urology	Fayetteville
DR. DERYL HART, surgery	Durham
DR. JAMES B. BULLITT, pathology	Chapel Hill
DR. WM. DEB. MACNIDER, pharmacology	Chapel Hill

PERSONNEL

WESTERN NORTH CAROLINA SANATORIUM

P. P. McCain, M.D.	Superintendent
S. M. Bittinger, M.D.	Associate Supt. and Medical Director
A. L. Ormond, M.D.	Resident Physician
H. E. Wood, M.D.	Assistant Physician
J. C. Burge, M.D. (1940-41)	Assistant Physician
H. C. Jernigan, M.D.	Assistant Physician
Creolya Snodgrass, R.N.	Superintendent of Nurses
R. G. Wharton, D.D.S.	Dentist
Irvin Page	Laboratory and X-ray Technician
Ted Holman	Purchasing Officer
Mrs. Lawrence Barnhill	Secretary to Medical Director
S. J. Stutts	Chief Engineer

CONSULTING STAFF

Dr. Julian A. Moore, thoracic surgery	Asheville
Dr. F. Webb Griffith, general surgery	Asheville
Dr. John T. Saunders, orthopedic surgery	Asheville
Dr. Thomas R. Huffines, genito-urinary surgery	Asheville
Dr. Arthur Ambler, anesthesia	Asheville
Dr. Joseph T. Greene, ear, nose and throat	Asheville
Dr. G. S. Tennant, diseases of the eye	Asheville
Dr. Curtis Crump, pathology	Asheville
Dr. A. B. Craddock, internal medicine	Asheville
Dr. Lewis Beall, psychiatry	Black Mountain
Dr. Charles H. Cocke, diseases of the chest	Asheville
Dr. Paul H. Ringer, diseases of the chest	Asheville
Dr. C. C. Orr, diseases of the chest	Asheville
Dr. C. D. W. Colby, diseases of the chest	Asheville
Dr. Edward W. Schoenheit, diseases of the chest	Asheville
Dr. J. W. Huston, diseases of the chest	Asheville
Dr. Wilson Pendleton, diseases of the chest	Asheville
Dr. I. J. Archer, diseases of the chest	Black Mountain
Dr. Karl Schaffle, diseases of the chest	Asheville

LETTER OF TRANSMITTAL

His Excellency
Gov. J. Melville Broughton
Raleigh, North Carolina

Sir:

I have the honor to transmit herewith the report of the superintendent of operations of the North Carolina Santorium and the Western North Carolina Santorium for the treatment of tuberculosis for the biennium closing June 30, 1942, together with report on the construction and equipment of the Eastern North Carolina Sanatorium located at Wilson, North Carolina.

The Eastern North Carolina Santorium has been practically completed, equipped and staffed and we expect to begin the admission of patients during the month of November. This Sanatorium, although not as large as is urgently needed, will be of tremendous benefit in dealing with the problem of tuberculosis in the eastern part of our state.

We are happy to call attention to the fact that there has been a further reduction in the death rate from tuberculosis in North Carolina during the past biennium. However, the conditions of warfare will probably result in an increase in the number of sufferers from tuberculosis in this state and therefore a need for increased facilities for the prevention and cure of this disease. Because of army and navy needs, we have had to face a shortage of trained doctors and therefore will be unable to conduct tuberculosis clinics in the various counties of the state during the present emergency. A closer coöperation among county health officers in the early diagnosis will tend temporarily to relieve this problem. We must expect in the immediate future a greater burden on the state in dealing with this terrible menace to the health of our people.

On behalf of the board of directors, I desire to express to the superintendent and his staff our thanks for and appreciation of the splendid and loyal manner in which they have performed their respective duties. The state is under obligation to them, and such loyalty and devotion to duty should not go unappreciated.

The members of the board have closely coöperated with each other in the full discharge of their responsibilities and I desire to express to them my profound thanks for their interest in and attention to the work in which we are all engaged.

Respectfully submitted,

L. Lee Gravely,
Chairman, Board of Directors.

REPORT OF SUPERINTENDENT

The Board of Directors of the N. C. Sanatoria,
Mr. L. L. Gravely, Chairman.

Gentlemen:

Herewith please find reports of the North Carolina Sanatorium and of the Western North Carolina Sanatorium for the biennium closing June 30, 1942, and of the expenditures to this date for the Eastern North Carolina Sanatorium. Full statistical data will be found in the body of the report. The report for the Western North Carolina Sanatorium was compiled by Dr. S. M. Bittinger, the capable medical director and associate superintendent.

Progress of Tuberculosis Control

There has been a slight further reduction in the tuberculosis death rate. In 1939 the tuberculosis mortality rate for this state was 51 and in 1941 it was 49. In England and in other countries at war there has been already a considerable rise in the incidence and mortality from tuberculosis. We will need to redouble our efforts to prevent a rise here at home.

That expenditures for tuberculosis control yield abundant returns financially as well as in human values can be seen by comparing the 156.4 tuberculosis mortality rate for 1915 with the 49 per 100,000 rate for 1941. It is conservatively estimated that each death from tuberculosis costs the state in medical and nursing care, in loss of wages, et cetera, at least $3,000. In 1941, instead of the 5,586 deaths from tuberculosis which would have occurred had the 1915 rate obtained, there were only 1,769 deaths. By the above estimates this saving of 3,817 lives means an annual financial return to the state of $11,451,000 on the comparatively small amount which is being invested annually for tuberculosis control.

The Eastern North Carolina Sanatorium

The building of the Eastern North Carolina Sanatorium has been by far the most important advance in the tuberculosis control program during the biennium. Since it was found that federal aid could not be obtained in sufficient amount to make available the funds appropriated for the building of the institution by the 1939 General Assembly, Senator T. W. M. Long

and Senator C. W. Spruill introduced a bill providing an appropriation of $600,000 for the erection and the equipment of the Eastern Sanatorium. The bill passed without opposition.

The site committee appointed by Governor Hoey, consisting of Messrs. Odus Mull, Joe L. Blythe and L. L. Burgin, chose a beautiful site of 100 acres joining the city limits of Wilson, for which the patriotic citizens of this progressive city contributed $20,000 in cash to the board of directors.

In spite of priority difficulties the four buildings, consisting of separate units for white and colored patients with 110 beds each, an administration and service building and a heating plant and laundry large enough for double the present capacity are practically complete. Most of the equipment has been delivered. The election of Dr. H. F. Easom as associate superintendent and medical director will insure the successful operation of the institution. The institution will be dedicated on September 23rd and we are fortunate to have Governor J. Melville Broughton as the main speaker for the occasion. It is hoped that the building will be ready to receive patients by the middle of October.

Additional County Sanatoria

During the biennium five other counties, Wilson, Anson, Alamance, Wayne and Martin, have opened sanatoria and the Wake County Sanatorium added 30 more beds. These total 64 beds for white and 80 for colored patients. There are now all together 23 counties which have their own sanatoria with a combined bed capacity of 417 for colored and 521 for white patients. Even including all beds for tuberculosis in private and public sanatoria the state is still 1,072 beds short of the two beds per death ratio recommended by the National Tuberculosis Association and the American Public Health Association.

Problems Due to the War Situation

Our institutions are all in defense areas and there has been such an increase in wages for all classes of workers that it has been very difficult for us to keep help. We have lost many of our employees who have been with us for years and we are having to operate our institutions largely with untrained employees. The greatly increased cost of living has made it impossible for us to operate within the budgets which were made out before

the rise in prices. During the next biennium it will also be necessary for us to have materially increased appropriations.

Even with the additional beds provided at the Eastern North Carolina Sanatorium we feel that the capacity of our institutions will still be overtaxed. Approximately one per cent of the men examined for army and naval service are being rejected on account of tuberculosis and approximately one-half of those rejected have active disease and need treatment. Already 440 North Carolinians of those examined for military and naval service have been rejected on account of tuberculosis, many of whom are already under treatment in our state and county sanatoria.

The war situation has created such a shortage of doctors that we have lost three of our four clinicians and will lose the fourth in the near future. It has been impossible to find competent physicians to replace them. On this account we will be unable to conduct tuberculosis clinics in the various counties of the state during the emergency. Each of the institutions is conducting a daily diagnostic clinic. We are also encouraging physicians to have their doubtful cases x-rayed and to send their doubtful chest films to us for consultation if they so desire. We are already receiving several thousand of such films each year.

We are also urging the county health officers who have been furnished fluoroscopes by the State Board of Health to conduct regular tuberculosis clinics in their counties. Approximately 50 per cent of the health departments, probably representing 80 per cent of the population of the state, are now supplied with fluoroscopes. We have invited all the health officers who have fluoroscopic equipment and who are not already well-trained in chest fluoroscopy to come to the North Carolina Sanatorium in groups of four for periods of not less than two weeks for intensive study of fluoroscopy. Already several groups have come.

We have had so many staff changes that lack of space will prevent a detailed report. I especially want to mention two of our physicians, Dr. J. C. Burge of the Western North Carolina Sanatorium, and Dr. Wm. H. Roper of the North Carolina Sanatorium, who resigned to enter the medical corps of the Army. Dr. Burge is somewhere in the Philippines and Dr. Roper is located at Fort Bragg. Most of our staff members have had tuberculosis and are not eligible for war service. Several of

those, however, who have resigned have gone to take the places of other physicians who are entering service.

On February 3, 1941, our institutions and the anti-tuberculosis cause lost a most valuable friend in the death of Dr. T. W. M. Long. For thirteen years he was chairman of the board of directors of the North Carolina Sanatorium and for the past few years he was a most faithful and valuable member of the consolidated board.

Donations

We wish to express our deep appreciation to the many kind friends who have made generous donations of various kinds, a list of which will be found in the reports of each institution.

In conclusion I wish to express my deep appreciation to all of the members of the board for your helpful guidance and support and to Dr. S. M. Bittinger, medical director of the Western North Carolina Sanatorium, Dr. C. D. Thomas, associate medical director of the North Carolina Sanatorium, and to all of our other employees for their loyalty and valuable assistance.

Respectfully submitted,

P. P. McCAIN,
Superintendent, North Carolina Sanatoria and Director, Extension Department.

NORTH CAROLINA SANATORIUM

POPULATION MOVEMENT

1940-1941

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Patients in hospital at beginning of year	634	149	136	285	19	21	40	130	143	273	36
Admissions during year:											
New admissions	635	121	132	253	9	16	25	138	173	311	46
Readmissions	109	30	41	71	1	----------	1	6	12	18	19
Total admissions	744	151	173	324	10	16	26	144	185	329	65
Separations during year:											
Apparently arrested	120	10	6	16	11	14	25	35	31	66	13
Quiescent	127	25	37	62	2	1	3	27	34	61	1
Improved	213	92	101	193	----------	4	4	5	5	10	6
Unimproved	117	10	9	19	----------	----------	----------	27	53	80	18
Died	138	16	15	31	----------	----------	----------	40	54	94	13
Not tuberculous	46	7	3	10	1	1	2	12	9	21	13
Total separations	761	160	171	331	14	20	34	146	186	332	64
Patients in hospital at end of year	617	140	138	278	15	17	32	128	142	270	37
Average daily population	634										
Normal capacity	650										

*Includes Negro children as well as adults.

NORTH CAROLINA SANATORIUM

POPULATION MOVEMENT

1941-1942

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Patients in hospital at beginning of year	617	140	138	278	15	17	32	128	142	270	37
Admissions during year:											
New admissions	647	159	147	306	17	12	29	150	134	284	28
Readmissions	124	33	37	70	----------	----------	----------	9	37	46	8
Total admissions	771	192	184	376	17	12	29	159	171	330	36
Separations during year:											
Apparently arrested	93	11	3	14	15	19	34	15	20	35	10
Quiescent	167	35	22	57	3	----------	3	49	55	104	3
Improved	254	103	118	221	3	1	4	10	12	22	7
Unimproved	131	21	20	41	1	----------	1	40	44	84	5
Died	91	10	11	21	----------	----------	----------	31	27	58	12
Not tuberculous	61	10	6	16	3	1	4	20	15	35	6
Total separations	797	190	180	370	25	21	46	165	173	338	43
Patients in hospital at end of year	591	143	141	284	8	7	15	122	140	262	30
Average daily population	617										
Normal capacity	650										

*Includes Negro children as well as adults.

NORTH CAROLINA SANATORIUM

SUMMARY OF TWO YEARS' WORK

July 1, 1940-June 30, 1942

			1940-1941	1941-1942
Letters and postals received			19,191	18,892
Individual letters written			18,502	19,837
Mimeographed letters mailed			1,855	1,385
Mimeographed forms prepared			122	125
Number of copies mimeographed			25,031	10,830
Articles written (approximate number of words):				
Press	9,850	5,808		
SANATORIUM SUN	198,000	198,500	207,850	204,308
Articles copied (approximate number of words)			18,750	29,950
Patients histories written			672	725
Envelopes addressed			28,113	28,875
Enclosures sent out			11,440	12,584
Literature sent out			41,892	24,837
Tuberculin sent physicians			24,287	26,024
Sputum cups distributed			172,500	169,200
X-ray films sent in for interpretation			3,899	4,278
Operations:				
Phrenic operations			254	218
Thoracoplasty			59	60
Pneumonolysis			12	9
Other operations			30	40
Blood transfusions			41	39
Bronchoscopy			49	46
Pneumothorax treatments			13,162	11,243
Pneumo-peritoneum			1,856	2,211
Oleothorax			126	2

REPORT OF P. P. McCAIN, M. D.

	1940-1941	1941-1942
Days out of office	39	39
Addresses delivered	32	21
Number in audience	6,100	2,150

NORTH CAROLINA SANATORIUM

REPORT OF FIELD ADULT TUBERCULOSIS CLINICS

	1940-1941	1941-1942	1940-1941	1941-1942	TOTAL
Number of addresses delivered			20	8	28
Total audience			578	512	1,090
	1940-1941	1941-1942			
New positive cases	394	331			
Primary tuberculosis	555	675			
Previously diagnosed	1,832	1,892			
Probable	163	117			
Doubtful	150	204			
Negative	13,643	14,148			
			16,737	17,367	34,104
Number of white examinations	11,490	12,350			
Number of colored examinations	5,247	5,017			
			16,737	17,367	34,104

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities During School Sessions 1926-1942

RESULTS OF TUBERCULIN TESTS

(0.1 cc. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Total
Number given the tuberculin test	430,574	130,851	561,425
Number positive reactors	69,977 (16.2%)	26,836 (20.5%)	96,813 (17.2%)

RESULTS OF THE STUDY OF 79,315 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of chest			79,315
Number of reactors diagnosed as having tuberculosis		9,641	
White	6,646		
Colored	2,995		
Primary tuberculosis	8,583		
Reinfection tuberculosis	716		
Primary and reinfection tuberculosis	180		
Extra-pulmonary tuberculosis	33		
Extra-pulmonary and reinfection tuberculosis	6		
Extra-pulmonary and primary tuberculosis	3		
Military tuberculosis	1		
Previously diagnosed	119		
Number of reactors classified as suspicious		5,086	
Number of reactors classified as having no demonstrable tuberculosis		64,588	

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium in Co-operation with Local Health and School Authorities During School Sessions 1940-1941 and 1941-1942

RESULT OF TUBERCULIN TEST

(0.1 cc. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Total
Number given the tuberculin test	61,132	32,199	*93,331
Number positive reactors	11,372 (18.6%)	5,999 (18.6%)	17,371 (18.6%)

*87,087 of these were given tuberculin tests by local health officers, the X-rays and their interpretations were made by staff of extension department of North Carolina Sanatorium.

RESULTS OF THE STUDY OF 14,845 REACTORS HAVING X-RAYS

RACE	Number Having X-rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	%	Number	%	Number	%
White	10,184	1,073	10.5	280	2.7	8,831	86.7
Negro	4,661	605	12.9	165	3.5	3,891	83.4
Total	14,845	1,678	11.3	445	2.9	12,722	85.6

Primary type lesions	1,337
Reinfection type lesions	215
Primary and reinfection lesions	7
Previously diagnosed	119
Total	1,678

NORTH CAROLINA SANATORIUM
WHITE DIVISION
(ADULT)

MEDICAL REPORT
July 1940-July 1942

STATISTICAL

	1940-1941	1941-1942	TOTAL
Number of patients to be reported on (discharged)	321	354	675
Number not tuberculous	10	16	26
Number of patients in Sanatorium July 1	278	284	562
Total number of patients treated	609	654	1,263
Hospital days	105,219	104,044	209,263

NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1940-1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	34	A	4	A	9	1	1	1	3	2	5				
		B	13	B	5	5	1	3	2	5	2				
		C	1	C	2			1					1		
Moderately advanced	55	A	3	A	6			1	1	2	5				
		B	13	B	24	2		1	3	9	18		3	1	
		C	2	C	7			2	1		6				
Far advanced	63	A	1	A	0	1									
		B	12	B	11			1		6	4	4	7	1	
		C	13	C	14					7	8	4	6	2	
		D	6	D	6							1	4	5	2
Total	152		68		84	9	2	10	10	31	49	9	21	9	2

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	2,919	3,882	Average stay	42.9	47.5	Shortest stay	5	3

	1940-41	1941-42		1940-41	1941-42
Number gained weight	36	45	Number lost weight	5	6
Average gain	7.6	8.5	Average loss	2.3	2.6
Stationary	3	3	Not weighed	24	30

NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED NINETY DAYS OR OVER

1940—1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	41	A	11	A	12	3	3	7	6	1	3				
		B	8	B	8	2	1	4	4	2	3				
		C	0	C	1		1								
		D	0	D	1										1
Moderately advanced	209	A	23	A	22		3	8	10	13	9	1		1	
		B	70	B	61	1	1	16	12	52	46		1	1	1
		C	11	C	21			3	5	7	13		3	1	
		D	0	D	1										1
Far advanced	272	A	2	A	2		1	1	1	1					
		B	104	B	69	1	1	13	3	73	51	7	7	10	7
		C	21	C	61				6	12	41	1	8	8	6
		D	3	D	10					1	6	1	1	1	3
Primary tuberculosis	1		0		1		1								
Total	523		253		270	7	12	52	47	162	172	10	20	22	19

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	96,076	95,482	Average stay	379.74	353.6	Longest stay	2,276	2,289

	1940-41	1941-42		1940-41	1941-42
Number gained weight	189	192	Number lost weight	23	43
Average gain	16.75	15.03	Average loss	9.09	8.4
Stationary	4	5	Not weighed	37	30

NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1940-41	1941-42
Negative		258	281
Positive	Previous	57	61
	Previous and during residence	1	6
	During residence only	5	6

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		121	145
Positive	On admission	189	197
	During residence	136	149
	On discharge	65	90

SEX, AGE AND CIVIL CONDITION

1940—1941

SEX		AGE						CIVIL CONDITION			
		12-19	20-29	30-39	40-49	50-59	60-70	Single	Married	Widowed	Divorced
Male	153										
Female	168	21	110	86	58	29	17	99	186	26	10
Total	321										

1941—1942

Male	180										
Female	174	30	121	93	61	39	10	94	232	15	13
Total	354										

TUBERCULOUS COMPLICATIONS

Adenitis (axillary)	1
Adenitis (cervical)	3
Anal fistula	7
Bronchial fistula	3
Cachexia	2
Empyema	27
Enteritis	42
Epididymitis	3
Ischio-rectal abscess	4
Laryngitis	55
Meningitis	3
Miliary tuberculosis	2
Nephritis	4
Orchitis	1
Osteitis	6
Otitis media	5
Pericarditis	1
Peritonitis	4
Pharyngitis	5
Pleural fistula	3
Pleurisy with effusion	57
Spontaneous pneumothorax	3
Stricture of larynx	2
Tracheobronchitis	15

NON-TUBERCULOUS COMPLICATIONS

Acne vulgaris	6
Amebiasis	1
Anemia	12
Arteriosclerosis	5
Arthritis	7
Asthma	7
Atrophy of testicle	12
Blindness	1
Blindness (partial)	3
Bronchiectasis	1
Cardiorenal disease	1
Carious teeth	164
Deafness (complete)	1
Deafness (partial)	7
Diabetes mellitus	8
Diseased tonsils	109
Dupuytren's contraction	1
Eczema	1
Empyema	1
Enucleation of eye	2
Epidermophytosis	2
Fungus infection	1
Furuncle	1
Gastric ulcer	1
Ganglion	1
Goitre (simple)	6
Hallux valgus	1
Hemorrhoids	39
Hernia	14
Herpes Zoster	3
Hookworm	35
Hordeolum	1
Horner's syndrome	2
Hydrocele	4
Hypertension	21
Hypertrophied prostate	7
Hypospadia	1
Icthyosis	2
Infantile paralysis	2
Intestinal obstruction	1
Ischio-rectal abscess	3
Lipoma	2
Lues	8
Malaria	3
Mitral regurgitation	2
Morphine addiction	1
Myasthenia gravis	1
Myocarditis	10
Myopia	1
Nasal polyp	3
Neurasthenia	3
Orchitis	1
Otitis media	9
Otomycosis	1
Parkinson's disease	1
Pellagra	4
Peptic ulcer	2
Perforated nasal septum	1
Pharyngeal cyst	1
Pneumonoconiosis	1
Pregnancy	7
Pruritus ani	1
Prostatitis	2
Psoriasis	2
Pterygium	1
Pyorrhea	80

Rhinitis	20
Ruptured appendix	1
Scoliosis	4
Sebaceous cyst	1
Septicemia	1
Silicosis	2
Sinusitis	2
Strabismus	7
Symblepharon	2
Syphilis (central nervous system)	2
Tenia versicolor	1
Varicocele	4
Varicose veins	1

OCCUPATIONS

July 1, 1940—June 30, 1941

Attendant	1
Barber	5
Book binder	1
Bookkeeper	4
Brick mason	3
Bridge tender	1
Broker	1
Bus driver	2
Butcher	2
Carpenter	8
Clerk	21
Collector	2
Cotton ginner	1
Dredger	1
Druggist	1
Dry cleaner	1
Electrician	3
Engineer	1
Farmer	122
Fireman	1
Florist	1
Furniture factory worker	2
Gateman	1
Graduate nurse	14
Highway foreman	1
Hosiery mill worker	7
House work	125
Insurance salesman	2
Laborer	7
Laundryman	1
Lawyer	1
Lineman	1
Machinist	2
Mail carrier	2
Manager, A & P	1
Mechanic	11
Merchant	4
Night watchman	2
Painter	7
Paper deliveryman	1
Photographer	1
Physician	2
Plumber	3
Postal clerk	1
Postmaster	1
Practical nurse	3
Radio operator	1
Railway mail clerk	3
Railway car inspector	1
Real estate dealer	1
Salesman	13
Saw mill operator	1
Seaman	1
Seamstress	2
Service station operator	3
Shoe repairer	1
Steam fitter	1
Stenographer	6
Stone cutter	5
Student	44
Taxi driver	2
Teacher	9
Technician	1
Telephone operator	1
Textile mill worker	68
Tobacco factory worker	4
Tobacconist	4
Traffic agent	1
Truck driver	6
Waitress	4
Welder	1
Woodworker	1
W.P.A. worker	3

NORTH CAROLINA SANATORIUM

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

	CHILDREN				WHITE		COLORED		PRISON		TOTAL	
	WHITE		COLORED									
	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
July	45	49	28	25	226	320	91	39	9	6	399	439
August	49	48	20	22	255	305	44	51	5	3	373	429
September	43	75	10	13	267	329	34	51	10	6	364	474
October	56	34	5	15	209	287	28	39	5	8	303	383
November	32	39	3	15	216	287	14	54	6	5	271	400
December	24	23	8	1	177	217	32	77	16	3	257	321
January	26	31	5	3	177	249	22	43	8	----------	238	326
February	24	27	12	2	260	201	131	27	6	3	433	260
March	39	20	9	3	299	199	53	26	4	6	404	254
April	42	28	7	----------	319	274	30	23	6	4	404	329
May	48	22	49	8	346	215	63	29	6	3	512	277
June	64	32	13	6	250	241	40	30	3	8	370	317
Total	492	428	169	113	3,001	3,124	582	489	84	55	4,328	4,209

CLASSIFICATION

Positive diagnosis	24	22	21	10	186	170	52	69	48	31	331	302
Negative diagnosis	348	279	124	73	1,484	1,556	290	258	23	24	2,269	2,190
Re-examinations	120	127	24	30	1,331	1,398	240	162	13	----------	1,728	1,717
Total	492	428	169	113	3,001	3,124	582	489	84	55	4,328	4,209

NORTH CAROLINA SANATORIUM

SUMMARY OF MEDICAL REPORT

(White Division)

July 1, 1940—July 1, 1942

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	36	59	95
Moderately advanced	137	167	304
Far advanced	141	144	285
Extra-pulmonary	1	----------	1
Primary tuberculosis	1	----------	1
Not tuberculous	7	6	13
Not classified	1	----------	1
Total	324	376	700
Patients discharged:			
Apparently arrested	16	14	30
Quiescent	62	57	119
Improved	193	221	414
Unimproved	19	41	60
Died	31	21	52
Total	321	354	675

NORTH CAROLINA SANATORIUM

REPORT OF X-RAY LABORATORY

(All Divisions)

July 1, 1940—June 30, 1942

	White	Colored	Prison	Total
Stereoroentgenograms of chest Sanatorium patients	894	679	89	1,662
Stereoroentgenograms of chest Sanatorium clinic patients	180	16	----------	196
Double Roentgenograms of chest Sanatorium patients	66	43	----------	109
Double Roentgenograms of chest Sanatorium clinic patients	106	107	----------	213
Double Roentgenograms of chest children's clinics	2,076	1,963	----------	4,039
Single Roentgenograms of chest Sanatorium patients	2,021	1,349	147	3,517
Single Roentgenograms of chest Sanatorium clinic patients	1,831	442	19	2,292
Single Roentgenograms of chest adult clinics	8,130	3,160	----------	11,290
Miscellaneous X-rays	518	264	52	834
Total	15,822	8,023	307	24,152
X-ray treatments	80	102	19	201

NORTH CAROLINA SANATORIUM

LABORATORY REPORT

(All Divisions)

July 1, 1940—June 30, 1942

	White	Colored	Prison	Total
Sputanalyses:				
Micro	6,897	5,861	626	13,384
Chem	1,979	1,714	109	3,802
Total	8,876	7,575	735	17,186
Urinalyses:				
Micro	1,418	858	116	2,392
Chem	4,617	879	116	5,612
Total	6,035	1,737	232	8,004
Blood:				
W. C. B.	991	769	104	1,864
R. B. C.	946	738	104	1,788
Hemoglobin	941	735	102	1,778
C. I.	884	718	101	1,703
Differential	983	758	103	1,844
Kline	805	858	101	1,764
Sedimentation	25	7	----------	32
Type	44	21	----------	65
Coagulation	22	19	----------	41
Sugar	77	28	----------	105
Culture	4	4	----------	8
Total	5,722	4,655	615	10,992
Feces	967	678	89	1,734
Phthalein	2	1	----------	3
Gastric	17	5	----------	22
Pleural fluid	456	114	7	577
B. M. R.	12	1	----------	13
Bacteriological	201	454	6	661
Pleural fluid culture	244	26	2	272
Guinea pig autopsy	31	41	2	74
Vital capacity	51	16	----------	67
Aschiem-Zondek	8	8	----------	16
Spinal cell count	12	3	----------	15
Agglutination	20	8	----------	28
Autopsy	4	25	2	31
Sputum culture	15	6	1	22
Total	2,040	1,386	109	3,535
Milk: Bacterial count	----------	----------	----------	13
Total examinations and tests	----------	----------	----------	39,721

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Miss Lillian Roberts, Southern Pines.
Mrs. J. F. Morris, Southern Pines.
Church Periodical Club, New York City.
Miss Mary Wood, North Cambridge, Mass.
Christ Church, Herkimer, N. Y.
Robeson County Medical Auxiliary, Red Springs.
Charlotte Observer, Charlotte.
Mrs. B. E. Burns, Orlando, Fla.
Le Turneau Foundation, New York.
First Baptist Church, Greenwood, Miss.
Mrs. E. G. Carlton, Durham.
Terminal Hotel, Hamlet.
Tin Whistle Club, Pinehurst.
Mrs. Frank Shamburger, Aberdeen.
Mrs. Talbot Johnson, Aberdeen.
Junior Chamber of Commerce, Southern Pines.

Flowers and Bulbs:

Mr. E. S. Moye, Greenville.
Mr. S. F. Lee, Varina.
Mr. C. A. Ballentine, Varina.

Miscellaneous:

Kings Daughters, Chapel Hill.
Girls Scouts, Pinehurst.
Mrs. R. B. Stone, Stoneville.
Mrs. J. A. Bizzell, Kinston.
Mrs. T. H. Johnston, Cambridge, N. Y.
Dr. E. A. Branch, Raleigh.

Cash Donations:

Mr. M. C. Dew, Raeford.
Mr. Israel Mann, Raeford.
Mr. W. E. Swain, Raleigh.

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1940-41	1941-42	Total
Number of patients to be reported on (discharged)	32	42	74
Number not tuberculous	2	4	6
Number of patients in Sanatorium July 1	32	15	47
Total number of patients treated	66	61	127
Hospital days	13,758	10,183	23,941

SUMMARY MEDICAL REPORT

	1940-41	1941-42	Total
Patients admitted:			
Reinfection type tuberculosis	2	7	9
Extra-pulmonary	0	1	1
Primary tuberculosis	24	19	43
Not tuberculous	0	2	2
Total	26	29	55
Patients discharged:			
Apparently healed	25	34	59
Apparently inactive	3	3	6
Improved	4	4	8
Unimproved	0	1	1
Total	32	42	74

	1940-41	1941-42
Minimal	2	3
Moderately advanced	0	4
Far advanced	0	0

SEX AND AGE

	1940-41	1941-42	Total
Sex:			
Male	13	22	35
Female	19	20	39
Total	32	42	74
Age:			
18 months to 9 years	20	31	51
10 to 16 years	12	11	23
Total	32	42	74

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	4
Cystitis	1
Nephritis	1
Pleurisy with effusion	2
Stricture of urethra	1

NON-TUBERCULOUS COMPLICATIONS

Asthma (bronchial)	1
Carious teeth	5
Chickenpox	1
Coryza	1
Diphtheria	1
Diseased tonsils	29
Hookworm disease	3
Impetigo	1
Nephritis	1
Otitis media	2
Papillomata of larynx	1
Pediculosis	1
Pyelitis	1
Pyorrhea	1
Scoliosis of the spine	1
Secondary anemia	2
Roundworm infection	3

NORTH CAROLINA SANATORIUM

NEGRO DIVISION

MEDICAL REPORT

Statistical

	1940-1941	1941-1942	Total
Number of patients to be reported on (discharged)	311	303	614
Number not tuberculous	21	35	56
Number of patients in Sanatorium July 1	270	262	532
Total number of patients treated	602	600	1,202
Hospital days	98,127	98,720	196,847

NORTH CAROLINA SANATORIUM

NEGRO DIVISION

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1940-1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	16	A	4	A	3	1	2		1			3			
		B	3	B	5				5	1		2			
		C	0	C	1				1						
Moderately advanced	21	A	1	A	0							1			
		B	6	B	10	1		1	4			3	6	1	
		C	0	C	3				1						2
		D	0	D	1										1
Far advanced	74	A	1	A	1					1			1		
		B	10	B	2						1	5		5	1
		C	27	C	9							8	6	19	3
		D	4	D	20						1		9	4	10
Primary tuberculosis	16		10		6	10	6								
Total	127		66		61	12	8	1	12	2	2	22	22	29	17

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	2,883	3,196	Average stay	43.7	52.4	Shortest stay	5	7

	1940-41	1941-42		1940-41	1941-42
Number gained weight	17	22	Number lost weight	11	5
Average gain	4	7.8	Average loss	9.3	7
Stationary	6	1	Not weighed	32	33

NEGRO DIVISION
NORTH CAROLINA SANATORIUM
PATIENTS WHO STAYED NINETY DAYS OR OVER
1940-1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	30	A	8	A	9	5	5	2	4	1					
		B	5	B	3	1	2	4	1						
		C	3	C	2	2		1	1				1		
Moderately advanced	110	A	7	A	11	2	2	2	6	1	1	2	2		
		B	31	B	37	15	2	13	27		3	1	5	2	
		C	6	C	17			4	12		2		1	2	2
		D	0	D	1						1				
Far advanced	303	A	1	A	4			1	2		1		1		
		B	113	B	56	12	1	28	17	4	6	37	24	32	8
		C	45	C	59			2	17	2	4	17	17	24	21
		D	5	D	20						2		8	5	10
Primary tuberculosis	40		19		21	16	15	3	5				1		
Extra-pulmonary tuberculosis	4		2		2	1						1	2		
Total	487		245		242	54	27	60	92	8	20	58	62	65	41

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	79,531	93,209	Average stay	324.6	385.16	Longest stay	1,344	1,386

	1940-41	1941-42		1940-41	1941-42
Number gained weight	128	146	Number lost weight	55	48
Average gain	14.78	15.39	Average loss	15.18	10.19
Stationary	6		Not weighed	56	48

NORTH CAROLINA SANATORIUM
(Negro Division)

HISTORY OF HEMORRHAGE

		1940-41	1941-42
Negative		215	212
Positive	Previous only	77	62
	Previous and during residence	13	11
	During residence only	6	18

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		102	119
Positive	On admissions	206	180
	During residence	178	156
	On discharge	140	129

SEX, AGE AND CIVIL CONDITION

1940-1941

SEX		AGE						CIVIL CONDITION			
		2-9	10-19	20-29	30-39	40-49	50-74	Single	Married	Widowed	Divorced
Male	134										
Female	177	20	67	109	66	35	14	141	128	25	17
Total	311										

1941-1942

Male	145										
Female	158	18	51	124	52	36	22	167	100	24	12
Total	303										

NORTH CAROLINA SANATORIUM

OCCUPATIONS

Negro Division (Adult and Children)

July 1, 1940—June 30, 1942

Barber	2
Beauty parlor operator	2
Brick mason	1
Butler	2
Carpenter	2
Chauffeur	1
Cook	24
Dry cleaner	2
Farmer	148
Furniture factory worker	3
Hotel boy	1
House work	118
Janitor	10
Laborer	54
Laundress	15
Maid	17
Mechanic	6
Merchant	2
Nurse	2
Orderly	4
Painter	4
Physician	1
Plumber	2
Pool room operator	1
Porter	2
P.W.A. worker	3
Saw mill worker	6
Seamstress	4
Stenographer	1
Student	126
Tailor	1
Taxi driver	1
Teacher	10
Tobacco factory worker	28
Truck driver	3
Undertaker	2
Waiter	3

TUBERCULOUS COMPLICATIONS

Negro Division

1940-1942

Abscess (spine)	1
Adenitis (axillary)	1
Adenitis (cervical)	24
Adenitis (inguinal)	1
Ankylosis	1
Cystitis	2
Empyema	9
Enteritis	105
Fistula (anal)	3
Ischio-rectal abscess	6
Laryngitis	62
Meningitis	1
Miliary tuberculosis	1
Osteitis	6
Pericarditis	3
Peritonitis	10
Pleurisy with effusion	50
Pott's disease	6
Salpingitis	1
Tracheobronchitis	3
Tuberculoma (thigh)	1

TUBERCULOUS COMPLICATIONS

Alveolar abscess	7
Anemia (secondary)	3
Ankylosis	2
Anal fistula	1
Arteriosclerosis	1
Arthritis	6
Asthma	2
Atelectasis	1
Blindness (partial)	2
Carious teeth	235
Cataract	2
Conjunctivitis	1
Deaf and dumb	1
Deafness (partial)	9
Diabetes mellitus	3
Diseased tonsils	139

Embolism	1
Impetigo	1
Endocarditis	3
Epilepsy	1
Goitre (simple)	17
Hemorrhoids	9
Hernia	23
Hookworm infection	11
Hordeolum	1
Hydrocele	1
Hypertension	18
Keloid	1
Laceration of cervix	1
Lipoma	5
Lues	87
Mastoiditis	2
Mitral regurgitation	7
Nephritis	4
Opacity (corneal)	3
Osteomyelitis	7
Otitis media	2
Paralysis (partial)	8
Pellagra	3
Peptic ulcer	2
Phimosis	3
Pneumonitis	3
Pregnancy	10
Prostatitis	1
Psychosis	1
Pyorrhea	97
Rectal stricture	3
Rickets	1
Roundworm infection	3
Sinus (abdominal)	2
Sinusitis	2
Stomatitis	2
Strabismus	5
Tapeworm infection	3
Uterine fibroid	4
Varicose veins	6
Venereal warts	2

NORTH CAROLINA SANATORIUM

SUMMARY MEDICAL REPORT

(Negro Division)

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	27	39	66
Moderately advanced	71	87	158
Far advanced	186	162	348
Extra-pulmonary	3	----------	3
Primary tuberculosis	31	23	54
Not tuberculous	10	19	29
Not classified	1	----------	1
Total	329	330	659
Patients discharged:			
Apparently arrested	66	35	101
Quiescent	61	104	165
Improved	10	22	32
Unimproved	80	84	164
Died	94	58	152
Total	311	303	614

NORTH CAROLINA SANATORIUM

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Mrs. McCormick, Roxbury, Mass.
Father Quinlin, Southern Pines and New York City.
Misses Callans, Southern Pines.
Mrs. Dodd, Southern Pines.
Mrs. J. P. Maddox, Salisbury.
Mrs. Walter Waltens, Salisbury.
Mrs. Mable Belk Dew, Monroe.
Faith Presbyterian Church, Aberdeen.
Dr. W. Borden Hooks, Tarboro.
Mrs. Hodge, Pinehurst.
Mr. W. C. Fownes, Pinehurst.
Lend A Hand Book Mission, Boston, Mass.
Girl Scouts, Southern Pines.
Miss Birdilia Bair, Southern Pines.
Mrs. Mary Fairley, Aberdeen.
Mrs. Gatsie Waddel, Asheboro.
Dr. and Mrs. C. L. Guion, Aberdeen.
Miss Alice Wilder, Aberdeen.
Mary Phillips, Aberdeen.
Mrs. W. C. Andrews, Southern Pines.
Mr. S. B. Chapin, Myrtle Beach, S. C.
Capitol Department Store, Fayetteville.
Mr. P. T. Kelsey, Southern Pines.
Mrs. Sallie Headen, Liberty.
Baptist Church, Liberty.
Iredell County Teachers, Statesville.

NORTH CAROLINA SANATORIUM

PRISON DEPARTMENT

MEDICAL REPORT

	1940-1941	1941-1942	Total
Number of patients to be reported on (discharged)	51	37	88
Number not tuberculous	13	6	19
Number of patients in Sanatorium July 1	37	30	67
Total	101	73	174
Hospital days	15,120	12,076	27,196

SUMMARY MEDICAL REPORT

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	7	3	10
Moderately advanced	16	10	26
Far advanced	32	17	49
Primary tuberculosis	1	----------	1
Not tuberculous	9	6	15
Total	65	36	101
Patients discharged:			
Apparently arrested	13	10	23
Quiescent	1	3	4
Improved	6	7	13
Unimproved	18	5	23
Died	13	12	25
Total	51	37	88

WESTERN NORTH CAROLINA SANATORIUM
POPULATION MOVEMENT
1940—1941

	WHITE ADULTS			
	Total	Men	Women	Total
1. Patients in hospital at beginning of year	302	136	166	302
Admissions during year:				
New admissions	270	116	154	270
Re-admissions	16	6	10	16
Total admissions	286	122	164	286
2. Separations during year:				
Apparently arrested	12	3	9	12
Quiescent	120	48	72	120
Improved	109	45	64	109
Unimproved	20	10	10	20
Died	11	5	6	11
Not classified	1	1	----------	1
Not tuberculous	15	9	6	15
Total separations	288	121	167	288
3. Patients in hospital at end of year	300	137	163	300
4. Average daily population	----------	----------	----------	302
5. Normal capacity	----------	----------	----------	300

WESTERN NORTH CAROLINA SANATORIUM
POPULATION MOVEMENT
1941—1942

	WHITE ADULTS			
	Total	Men	Women	Total
1. Patients in hospital at beginning of year	300	137	163	300
Admissions during year:				
New admissions	312	131	181	312
Re-admissions	19	6	13	19
Total admissions	331	137	194	331
2. Separations during year:				
Apparently arrested	13	3	10	13
Quiescent	133	53	80	133
Improved	104	43	61	104
Unimproved	33	19	14	33
Died	29	17	12	29
Not classified	1	----------	1	1
Not tuberculous	24	8	16	24
Extra-pulmonary	1	----------	1	1
Total separations	338	143	195	338
3. Patients in hospital at end of year	293	132	161	293
4. Average daily population	----------	----------	----------	297
5. Normal capacity	----------	----------	----------	300

WESTERN NORTH CAROLINA SANATORIUM

SUMMARY OF TWO YEARS' WORK

July 1, 1940—June 30, 1942

	1940-1941	1941-1942
Letters and postals received	9,419	9,450
Individual letters written	12,532	13,090
Articles copied (appromixate number of words)	10,800	8,500
Patients' histories written	254	283
Approximate number of words in patients' histories	436,500	500,600
Envelopes addressed	12,859	13,313
Enclosures sent out	940	867
Literature sent out	385	296
Sputum cups distributed	18,100	16,300
Tuberculin sent to physicians	3,220	2,740
X-ray films sent in for interpretation	653	1,034
Operations:		
Report of phrenic operations	153	169
Report of pneumolyses	1	1
Report of thoracoplasties	85	77
Bronchoscopy	44	84
Other major operations	26	17
Minor operations	55	33
Blood transfusions	1	5

REPORT OF DR. S. M. BITTINGER, M. D.

	1940-1941	1941-1942
Days out of office	36½	28
Addresses delivered	6	4
Total number in audience	280	107

WESTERN NORTH CAROLINA SANATORIUM

REPORT OF TUBERCULOSIS CLINICS—X-RAY

	1940-1941			1941-1942		
	White	Colored	Total	White	Colored	Total
Childhood type positive					11	11
Childhood type (suspicious)	11	1	12		2	2
Childhood type (healed)	216	8	224	172		172
Adult type positive	5		5	5	1	6
Adult type (suspicious)					2	2
Adults (healed)	9		9	2		2
Miliary tuberculosis (healed)				1		1
Negative	472	11	483	338	38	376
Total	713	20	733	520	52	572

MEDICAL REPORT

Statistical

	1940-1941	1941-1942	Total
Number of patients to be reported on (discharged)	288	338	626
Number not classified	1	1	2
Number not tuberculous	24	15	39
Number of patients in Sanatorium July 1st	300	293	593
Total number patients treated	613	647	1,260
Hospital days	100,995	108,219	209,214

WESTERN NORTH CAROLINA SANATORIUM

HISTORY OF HEMORRHAGE

		1940-1941	1941-1942	Total
Negative		159	205	364
Positive	Previous	113	115	228
	Previous and during residence	13	10	23
	During residence only	3	8	11

RESULT OF SPUTUM EXAMINATIONS

	1940-1941	1941-1942	Total
Negative or no sputum	108	136	244
Positive:			
On admission	45	37	82
During residence	7	15	22
On discharge	1	1	2
On admission and during residence	73	74	147
During residence and on discharge	4	1	5
On admission, during residence, and on discharge	50	74	124

SEX, AGE AND CIVIL CONDITION

1940—1941

SEX		AGE						CIVIL CONDITION			
		10-19	20-29	30-39	40-49	50-59	60-66	Single	Married	Widowed	Divorced
Male	121										
Female	167										
Total	288	23	117	81	35	26	6	98	168	13	9

1941—1942

Male	143										
Female	195										
Total	338	33	107	102	56	28	12	103	202	18	15

WESTERN NORTH CAROLINA SANATORIUM

SUMMARY OF MEDICAL REPORT

July 1, 1940 to June 30, 1942

	1940-1941	1941-1942	Total
Patients admitted:			
Minimal	13	13	26
Moderately advanced	89	95	184
Far advanced	156	196	352
Extra-pulmonary		2	2
Not tuberculous	2	5	7
Not classified	26	20	46
Total	286	331	617
Patients discharged:			
Apparently arrested	12	13	25
Quiescent	120	133	253
Improved	109	104	213
Unimproved	20	33	53
Died	11	29	40
Not tuberculous	15	24	39
Not classified	1	1	2
Extra-pulmonary		1	1
Total	288	338	626

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1940—1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
Minimal	15	A	5	A	4	2	3		1	2		1			
		B	3	B	3	1	1			2	1		1		
		C	0	C	0										
Moderately advanced	43	A	3	A	4			1	1	2	1		2		
		B	16	B	20			3	3	8	9	5	7		1
		C	0	C	0										
Far advanced	57	A	0	A	1								1		
		B	14	B	13					11	8	2	5	1	
		C	10	C	19					3	5	4	5	3	9
Total	115		51		64	3	4	4	5	28	24	12	21	4	10
Non-tuberculous	38		14		24										
Not classified	2		1		1										
Extra-pulmonary	1		0		1										
Total	156		66		90										

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	2,542	3,041	Average stay	38.41	33.77	Shortest stay	2	1

	1940-41	1941-42		1940-41	1941-42
Number gained weight	21	34	Number lost weight	15	19
Average gain	6.45	5.5	Average loss	3.8	3.8
Stationary	8	8	Not weighed	22	29

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS WHO STAYED NINETY DAYS OR OVER

1940—1942

CONDITION ON ADMISSION		1940-41		1941-42		CONDITION ON DISCHARGE: Apparently Arrested 1940-41	Apparently Arrested 1941-42	Quiescent 1940-41	Quiescent 1941-42	Improved 1940-41	Improved 1941-42	Unimproved 1940-41	Unimproved 1941-42	Died 1940-41	Died 1941-42
Minimal	24	A	4	A	10	4	5		5						
		B	7	B	3	5	3	1		1					
		C	0	C	0										
Moderately advanced	151	A	6	A	13		1	5	9	1	3				
		B	61	B	72			45	56	15	14	1	2		
		C	0	C	0										
Far advanced	292	A	0	A	0										
		B	93	B	81			49	40	40	32	2	2	2	7
		C	49	C	69			16	18	24	30	4	9	5	12
Total	467		220		248	9	9	116	128	81	79	7	13	7	19
Non-tuberculous	1		1		0										
Extra-pulmonary	1		1		0										
Total	469		222		248										

	1940-41	1941-42		1940-41	1941-42		1940-41	1941-42
Total number of days	92,600	98,187	Average stay	412	396	Longest stay	1,198	1,382

	1940-41	1941-42		1940-41	1941-42
Number gained weight	166	168	Number lost weight	30	36
Average gain	13.3	15.3	Average loss	10	6.5
Stationary	5	9	Not weighed	21	35

WESTERN NORTH CAROLINA SANATORIUM

REPORT OF X-RAY LABORATORY

July 1, 1940 to June 30, 1942

	White	Colored	Total
Stereoroentgenograms of chest Sanatorium patients	655		655
Stereoroentgenograms of chest Sanatorium clinic patients	51	2	53
Stereoroentgenograms of chest children's clinics	3	1	4
Stereoroentgenograms of chest adult clinics	3		3
Double Roentgenograms of chest Sanatorium patients	5		5
Double Roentgenograms of chest Sanatorium clinic patients	15	3	18
Double Roentgenograms of chest children's clinics	693	8	701
Single Roentgenograms of chest Sanatorium patients	2,248	6	2,254
Single Roentgenograms of chest Sanatorium clinic patients	1,335	85	1,420
Single Roentgenograms of chest children's clinics	220	11	231
Single Roentgenograms of chest adult clinics	668	112	780
Miscellaneous X-rays	431	3	434
Treatments	86		86
X-ray reprints	29		29
Total	6,442	231	6,673

WESTERN NORTH CAROLINA SANATORIUM

LABORATORY REPORT

July 1, 1940 to June 30, 1942

	White	Colored	Total
Sputanalyses:			
Micros	6,632	13	6,645
Chem.	1,152	1	1,153
Total	7,784	14	7,798
Urinalyses:			
Micros	1,568	5	1,573
Chem.	5,219	5	5,224
Total	6,787	10	6,797
Blood:			
W. B. C.	1,202	10	1,212
R. B. C.	1,213	1	1,214
Hemoglobin	1,224	3	1,227
C. I.	1,224	3	1,227
Diff.	1,188	8	1,196
Kline	945	237	1,182
Blood sugar	25	----------	25
N. P. N.	144	----------	144
Blood typing	112	----------	112
Blood cross matching	12	----------	12
Blood typing and cross matching	59	----------	59
Blood sedimentation index	1,842	----------	1,842
Coagulation and bleeding time	2	1	3
Blood calcium	1	----------	1
Others	5	----------	5
Total	9,198	263	9,461
Feces	875	----------	875
P. S. P.	143	----------	143
Gastric	6	----------	6
Pleural fluid	162	----------	162
B. M. R.	73	1	74
Vital capacity	317	----------	317
Cultures	452	1	453
Bronchoscopic specimens	6	----------	6
Spinal fluid	6	----------	6
Smears	541	1	542
N. P. N.	15	----------	15
Autopsies	3	----------	3
Total	2,599	3	2,602
Total examinations and tests	----------	----------	26,658

WESTERN NORTH CAROLINA SANATORIUM

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1940 to June 30, 1942

	CHILDREN				WHITE		COLORED		TOTAL	
	WHITE		COLORED							
	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42	1940-41	1941-42
July	27	43	----------	12	232	232	13	14	272	301
August	59	63	10	4	194	287	8	5	271	359
September	33	40	4	----------	248	275	5	11	290	326
October	16	25	----------	----------	121	294	5	7	142	326
November	20	30	----------	6	208	200	3	12	231	248
December	25	29	1	----------	133	188	2	5	161	222
January	15	36	----------	5	145	158	2	9	162	208
February	39	33	3	1	152	165	9	6	203	205
March	28	33	11	3	208	191	8	13	255	240
April	33	30	9	----------	197	184	2	7	241	221
May	40	34	1	3	223	210	3	14	267	261
June	78	37	1	10	273	219	5	18	357	284
Total	413	433	40	44	2,334	2,603	65	121	2,852	3,201

CLASSIFICATION

Positive diagnosis	2	1	1	----------	100	111	15	8	118	120
Negative diagnosis	294	294	17	22	1,176	1,270	28	65	1,515	1,651
Re-examinations	117	138	22	22	1,058	1,222	22	48	1,219	1,430
Total	413	433	40	44	2,334	2,603	65	121	2,852	3,201

CLASSIFICATION OF NON-TUBERCULOUS CASES

1940-1942

Bronchial asthma, chronic pneumonitis, calcification of pleura	1
Bronchiectasis	14
Carious teeth and pyorrhea	1
Chronic abscess of lung and acquired cyst	1
Chronic bronchitis	2
Chronic non-tuberculous suppurative pneumonitis	1
Chronic non-tuberculous suppuration with empyema	1
Chronic pneumonitis with marked calcification of pleura	1
Chronic tonsillitis	1
Congenital polycystic lung with chronic pulmonary fibrosis and suppuration	1
Diseased tonsils and carious teeth	1
Hay fever	1
Lung abscess	3
Oesophageal obstruction probably due to malignancy	1
Pneumonitis	3
Pulmonary carcinoma with metastasis to lymph node of chest wall. Primary carcinoma of lung and pleura with metastasis to bones of pelvis, spine, and upper right femur, also probably to liver	1
Vincent's infection of mouth and throat	1

OCCUPATIONS

1940-1942

Auto dealer	1	Hotel work	2
Bank teller	1	Housework	155
Barber	2	Laborer	2
Beautician	1	Laundress	1
Bookkeeper	5	Lunchroom manager	1
Businessman	1	Mail carrier	1
Cafe worker	1	Meat cutter	2
Carpenter	6	Matron	1
Cashier	1	Mechanic	5
Civil engineer	1	Merchant	4
Clerk	20	Miner	7
Construction work	8	Minister	2
Cook	1	Newspaper work	1
Dairyman	1	Nurse (R.N. and practical)	20
Designer	1	Occupational therapy	1
Dietitian	1	Office work	1
Engineer	1	Optometrist	1
Farmer	57	Painter	4
Florist	1	Paper carrier	1
Furniture worker	1	Physician	3
Granite cutter	2	Plumber	1
Horse trainer	1	Printer	1

Purchasing agent	1
Railroad work	1
Salesman	15
Sand machine operator	1
Saw mill work	1
Seamstress	4
Secretary	1
Service station work	1
Shop keeper	1
Steel worker	1
Stenographer	9
Store keeper	1
Student	33
Switchman (railroad)	1
Tanner	1
Taxicab operator	1
Teacher	7
Textile	132
Tobacco worker	2
Truck driver	7
Waiter	1
W.P.A.	8

TUBERCULOUS COMPLICATIONS

Abscess of chest wall	1
Anal fistula	7
Calcification of spleen	1
Cervical adenitis	5
Draining sinus	2
Empyema	2
Epididymitis	3
Enteritis	31
Hemoptysis	7
Hydrothorax (obliterative)	5
Hydropneumothorax	22
Ischio-rectal abscess	2
Laryngitis	59
Meningitis	2
Miliary tuberculosis	2
Nephritis	7
Orchitis	1
Otitis media	9
Pericarditis	2
Peri-nephritic abscess	2
Pharyngo-laryngitis	4
Pleural fistula	1
Pleurisy with effusion	35
Pleurisy (fibrinous)	1
Pleural shock	1
Pott's disease	2
Pyopneumothorax	11
Retinitis	1
Scrofula	1
Sinovitis	2
Spontaneous pneumothorax	4
Tracheobronchial adenitis (active)	1
Tuberculids	1
Tuberculous ulceration of bronchi	7
Tuberculosis of appendix and both fallopian tubes	1
Wound abscess	1

NON-TUBERCULOUS COMPLICATIONS

1940-1942

Abscess of chest wall	1
Acne	15
Adenoma of thyroid	14
Adentia (partial and complete)	31
Amputation of fingers (partial)	2
Anal fissure	3
Anemia (secondary)	26
Ankylosis of spine and joints	7
Appendicitis (acute)	6
Arcus senilis	4
Arthritis	8
Arteriosclerosis	5
Artificial eye	2
Atrophy of right testicle	1
Atrophy of thigh	1
Bifurcated ribs	1
Blepharitis	9
Blindness (total)	1
Bone fracture	1
Bronchial asthma	3

Bronchiectasis	18
Bronchitis (chronic)	1
Bronchopneumonia with atelectasis	1
Calcification of pleura	1
Cardiovascular disease with hypertension	2
Carcinoma of cervix	2
Carcinoma of oesophagus	1
Carcinoma of ovary	1
Carious teeth	235
Catarrhal jaundice (acute)	1
Cellulitis (chronic, pelvic, Neisserian)	20
Cervical polyp	1
Cataracts (eye)	2
Chloasma	1
Chronic constipation	11
Conjunctivitis (acute)	7
Cor pulmonale	1
Cyst (scalp, thigh, neck)	3
Cystitis	1
Cystocele	7
Deafness (partial and complete)	37
Defective vision	11
Deformity of joints	12
Dermatitis	6
Deviation of nasal septum	31
Diabetes mellitus	4
Diastasi recti	3
Dilatation of colon	1
Diseased tonsils	68
Dislocation of humerus	1
Draining sinus	1
Eczema	4
Empyema	2
Encephalitis (post)	1
Endocervicitis	52
Enlarged turbinates	5
Enuculated left eye	1
Epidermophytosis (left hand)	1
Epilepsy	1
Erosion of nasal septum	1
Erosion of cervix	7
Funnel breast	1
Glossitis	5
Grand mal	1
Hay fever	1
Hemorrhoids	51
Hernia (inguinal)	2
Hernia (umbilical)	4
Herpes Zoster	1
Hookworm infestation	15
Hypertension	17
Hypertrophy of great toe nail	1
Infantile uterus	2
Infection of left hand (chronic)	1
Kyphosis	5
Laceration of perineum	16
Laceration of cervix	2
Leukorrhea	4
Hemicrania	1
Lumbago	1
Lung abscess	1
Lues	25
Mastitis (chronic)	1
Melanotic moleon neck	1
Mental deficiency	3
Mitral regurgitation	2
Myocarditis	1
Myopia	2
Nabothian cyst	1
Nasal obstruction	2
Nephritis	2
Nephrolithiasis (bilateral)	1
Obesity	6
Orchitis	1
Otitis media	15
Poliomyelitis (chronic)	3
Paresis	1
Pellagra	4
Papilloma of bladder	1
Pediculosis capitis	2
Perforation of nasal septum	3
Pharyngitis (chronic)	1
Pylonidal cyst	2
Pneumonitis	7
Polycystic left lung (congenital)	1
Polyp (cervical)	2
Pregnancy	4
Procidentia (partial)	2
Pruritis ani	1
Psychosis (toxic)	1
Pterygium	1
Ptosis of upper eye lid	1
Pyelitis	2
Pyorrhea	169

Rectocele	10
Renal calculi	1
Rheumatic endocarditis with mitral regurgitation (chronic)	5
Rhinitis	55
Ringworm (eczematoid)	1
Roundworm infestation	7
Schonlein's pupura	2
Scoliosis	6
Silicosis	7
Sinusitis (chronic)	8
Spontaneous pneumothorax	1
Strabismus	4
Taenia circinata	1
Talipes equanis	1
Tapeworm infestation	1
Tonsillitis (chronic)	8
Trichomonas vaginalis	5
Ulcer on nose	1
Urticaria	2
Vaginitis	1
Varicose veins (legs)	3
Vincent's infection of mouth	1
Viscero-ptosis	1
Whipworm infestation	3
Wound infection	1

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Shelby, N. C.; Auxiliary Medical Society, Raleigh, N. C.; Eliada Home for Children, Asheville, N. C.; Good Samaritan Mission, Asheville, N. C.; Morganton Pilot Club, Morganton, N. C.; United Daughters of Confederacy, Pittsboro, N. C.; Tuberculosis Association, Concord, N. C.; and departments of public welfare in the following counties: Ashe, Avery, Buncombe, Burke, Cabarrus, Caldwell, Catawba, Cherokee, Cleveland, Columbus, Davidson, Durham, Gaston, Granville, Halifax, Haywood, Henderson, Iredell, Jackson, Lincoln, Macon, Madison, McDowell, Mitchell, Orange, Rockingham, Rowan, Rutherford, Stanly, Stokes, Surry, Swain, Union, Wayne, Wilkes, Yancey.

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Durham County Welfare Department, Durham, N. C.
Mrs. Ola Hamilton Williams, Murphy, N. C.
The Woman's Missionary Society, Valdese, N. C.

BIENNIAL REPORT

of the

North Carolina Sanatorium

Sanatorium

Eastern North Carolina

Wilson

Western North Carolina Sanatorium

Black Mountain

For the Two Years Ended June 30, 1944

LETTER OF TRANSMITTAL

His Excellency
Governor J. Melville Broughton
Raleigh, North Carolina

Sir:

I have the honor to transmit herewith the superintendent's report of operations of the North Carolina Sanatorium, the Western North Carolina Sanatorium, and the Eastern North Carolina Sanatorium for the treatment of tuberculosis for the biennium closing June 30, 1944.

I am happy to call attention to the further reduction in the death rate from tuberculosis in North Carolina during the past biennium. In 1941 the mortality rate was 49 and in 1943 it was 40.1 per 100,000. However, we must face the historical fact that deaths from tuberculosis increase during, and immediately following, war. This will require additional facilities if we are to meet the added demands.

I am happy to report an increase in the number of beds for tuberculosis in the county sanatoriums and it is hoped that as soon as conditions permit, other counties in the state will build county sanatoriums and thus help to bring the number of beds available for tuberculosis patients in the state up to the standard minimum of two beds per death. It is hoped that the work of tuberculosis control in North Carolina will receive aid from the United States Public Health Service under the provision of the Tuberculosis Control Bill recently passed by the United States Congress.

The Eastern North Carolina Sanatorium received its first patients on January 15, 1943 and was quickly filled. Unfortunately, we now have a waiting list at all three of the sanatoria and it is urged that the legislature make provision for increasing the capacity of the Eastern North Carolina Sanatorium to 440 beds.

Because of the demands of the armed services and low scale of salaries provided, it has been difficult for the three sanatoria to keep sufficient help to do their work. Those faithful employees who have remained at their post deserve thanks and appreciation of the state.

On behalf of the board of directors, I desire to express to the superintendent and his staff our thanks for and appreciation of their splendid services and their devotion to duty.

The members of the board have been most coöperative in the full discharge of their responsibilities and I desire to express to them my thanks and gratitude for their interest in and devotion to the work in which we are all engaged.

Respectfully submitted,

L. L. GRAVELY, *Chairman, Board of Directors*

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PERSONNEL

N. C. Sanatorium

P. P. McCain, M.D. ..... Superintendent and Medical Director
C. D. Thomas, M.D. ..... Associate Superintendent and Medical Director
Nancy Stackhouse, M.D. (1942-43) ..... Resident Physician
W. E. Cook, M.D. (1943-44) ..... Resident Physician
A. A. Vanore, M.D. ..... Resident Physician
Meredith Johnson, M.D. ..... Resident Physician
Leopold Marks, M.D. ..... Resident Physician, Negro Division
J. S. Simmons, M.D. ..... Assistant Physician, Negro Division
Eula Rackley, R.N. ..... Superintendent of Nurses
R. G. Wharton, D.D.S. ..... Dentist
H. L. Satterwhite ..... Laboratory and X-ray Technician
F. L. Eubanks ..... Purchasing Officer
Mrs. H. K. MacCorkle ..... Cashier
Mrs. C. W. Covington ..... Secretary to Superintendent
Miss Carrie Toomer ..... Dietitian
J. L. Beall ..... Farm Superintendent
R. S. Perry ..... Chief Engineer
Margaret Harper, R.N. ..... Superintendent of Nurses, Negro Division

Extension Department

P. P. McCain, M.D. ..... Director
W. M. Peck, M.D. (1942) ..... Clinic Physician

Consulting Staff

Dr. C. R. Monroe, thoracic and general surgery ..... Pinehurst
Dr. V. K. Hart, bronchoscopy and laryngology ..... Charlotte
Dr. J. M. Lilly, eye, ear, nose and throat ..... Fayetteville

DR. W. P. MCKAY, eye, ear, nose and throat.....Fayetteville
DR. O. L. MILLER, orthopedic surgery.....Charlotte
DR. D. T. SMITH, bacteriology and internal medicine.....Durham
DR. JOHN M. HARRY, urology.....Fayetteville
DR. DERYL HART, surgery.....Durham
DR. JAMES B. BULLITT, pathology.....Chapel Hill
DR. WM. DEB. MACNIDER, pharmacology.....Chapel Hill

EASTERN N. C. SANATORIUM

P. P. MCCAIN, M.D.....Superintendent
H. F. EASOM, M.D.....Associate Superintendent and Medical Director
JOHN E. G. MCLAIN, M.D.....Resident Physician
D. G. MONROE, M.D.....Assistant Physician
NELLE B. SMITH, R.N.....Superintendent of Nurses
FLORENCE PITTMAN.....Dietitian
C. C. MOSS.....Purchasing Officer
VANCE V. MACY, M.T., R.T.....Laboratory and X-ray Technician
A. W. PATE.....Chief Engineer

Consulting Staff

DR. T. J. BLACKSHEAR, eye, ear, nose, and throat.....Wilson
DR. H. C. WILLIS, eye, ear, nose, and throat.....Wilson
DR. C. A. WOODARD, general surgery.....Wilson
DR. C. W. GOODWIN, general surgery.....Wilson
DR. B. T. CLARK, general surgery.....Wilson
DR. J. T. KERR, general surgery.....Wilson
DR. DERYL HART, thoracic surgery.....Durham
DR. JULIAN MOORE, bronchoscopy and thoracic surgery.....Asheville
DR. C. R. MONROE, thoracic surgery.....Pinehurst
DR. V. K. HART, bronchoscopy.....Charlotte
DR. D. T. SMITH, bacteriology.....Durham
DR. J. B. BULLITT, pathology.....Chapel Hill

WESTERN N. C. SANATORIUM

P. P. MCCAIN, M.D.....Superintendent
S. M. BITTINGER, M.D.....Associate Supt. and Medical Director
A. L. ORMOND, M.D.....Resident Physician
H. E. WOOD, M.D.....Assistant Physician
R. C. NAILING, M.D.....Assistant Physician
R. G. WHARTON, D.D.S.....Dentist
SADIE WHITLEY, R.N.....Superintendent of Nurses
IRVIN PAGE.....Laboratory and X-ray Technician
J. E. FERGUSON.....Purchasing Officer
MRS. LAWRENCE BARNHILL.....Secretary to Medical Director
S. J. STUTTS.....Chief Engineer

Consulting Staff

Dr. Julian A. Moore, thoracic surgery ..... Asheville
Dr. F. Webb Griffith, general surgery ..... Asheville
Dr. John T. Saunders, orthopedic surgery ..... Asheville
Dr. Thomas R. Huffines, genito-urinary surgery ..... Asheville
Dr. Arthur Ambler, anesthesia ..... Asheville
Dr. Joseph T. Greene, ear, nose and throat ..... Asheville
Dr. G. S. Tennant, diseases of the eye ..... Asheville
Dr. Curtis Crump, pathology ..... Asheville
Dr. A. B. Craddock, internal medicine ..... Asheville
Dr. Lewis Beall, psychiatry ..... Black Mountain
Dr. Charles H. Cocke, disease of the chest ..... Asheville
Dr. Paul H. Ringer, diseases of the chest ..... Asheville
Dr. C. C. Orr, diseases of the chest ..... Asheville
Dr. Edward W. Schoenheit, diseases of the chest ..... Asheville
Dr. J. W. Huston, diseases of the chest ..... Asheville
Dr. Wilson Pendleton, diseases of the chest ..... Asheville
Dr. I. J. Archer, diseases of the chest ..... Black Mountain
Dr. Karl Schaffle, diseases of the chest ..... Asheville

REPORT OF THE SUPERINTENDENT

The Board of Directors of the North Carolina Sanatoria,
MR. L. L. GRAVELY, *Chairman.*

Gentlemen:

Reports of the North Carolina Sanatorium and of the Western North Carolina Sanatorium for the biennium ending June 30, 1944, and of the Eastern North Carolina Sanatorium for that portion of the biennium following its opening on January 15, 1943, are enclosed herewith. At the outset I wish to express my indebtedness and my deep appreciation to Dr. S. M. Bittinger and to Dr. H. F. Easom, associate superintendents and medical directors, respectively, of the Western and of the Eastern N. C. Sanatorium, and to Dr. C. D. Thomas, associate superintendent and associate medical director of the N. C. Sanatorium, for bearing the burden of the work at the three Sanatoria, for their loyalty and their hearty coöperation. The reports of the Western and of the Eastern Sanatoria were prepared respectively by Dr. Bittinger and by Dr. Easom.

Financial Returns as Well as Human Value Benefits from Tuberculosis Control

During and following periods of war there has almost always been a rise in the death rate from tuberculosis. Increases are already being reported in the death rate from tuberculosis since World War II began in a number of other countries and also in some sections of the United States. To our great gratification, however, there has been during the last biennium a more marked reduction in the death rate from tuberculosis in North Carolina than during any similar period in recent years. In 1941 the mortality rate was 49 and in 1943 it was 40.1 per 100,000. There were only 1,459 deaths from tuberculosis in North Carolina in 1943 as compared to 1,769 in 1941. The first year accurate statistics on the mortality from tuberculosis in North Carolina were available was 1915. Had the 1915 rate of 156.4 per 100,000 still obtained there would have been 5,690 deaths last year instead of 1,459. This means an annual saving of 4,296 lives. At the conservative estimate of $3,000 as the cost to the state for each person who dies from tuberculosis this represents an annual saving of $12,693,000.

The Opening of the Eastern N. C. Sanatorium

There was some delay in the opening of the Eastern N. C. Sanatorium after its dedication on September 23, 1942, due to our inability to secure some of the necessary equipment. On January 15, 1943, the institution received its first patient. Approximately 50 patients at the N. C. Sanatorium from the northeast portion of the state were transferred to the new Eastern Sanatorium. The institution soon filled up and all three institutions still have long waiting lists. The capacity of the present unit at the Eastern N. C. Sanatorium, 220, is reduced to 190 because it is necessary to house the nurses and other female employees in portions of the hospital intended for patients. As soon as

building materials become available we hope that we will be permitted to round out the capacity of the new institution to 440 beds and also build homes for both white and colored nurses.

County Sanatoria

In 1942 the Red Cross Sanatorium at Wilmington, after being in continuous operation for thirty-six years, had to close because a large bomber field was located so close to the institution that the patients could get no rest. Strenuous efforts were made, without avail, to get federal aid and also permission to secure materials to build at a new location. This meant a loss in the state of 40 beds for tuberculosis. This loss was offset by the opening of the Durham County Sanatorium with 56 beds and of the Wayne County Sanatorium with 16 beds. The Durham county institution is a modern fireproof building with excellent x-ray and other equipment. It is hoped that after the war a number of the other larger counties will build county sanatoria, either jointly or in combination with one or more other counties, and help bring the number of beds for tuberculous patients in the state up to the minimum recommended of two per death.

The Extension Department

In spite of our losing all four of our clinic physicians we have made a strenuous effort to continue our diagnostic assistance to physicians and our educational work among the people of the state. All three of the state sanatoria have continued their outside diagnostic clinics. In addition the North Carolina Sanatorium staff have made, developed and interpreted 11,286 x-ray films in coöperation with county health departments during the biennium, and the three sanatoria have interpreted 17,402 chest x-ray films sent in by both health officers and private physicians over the state.

County Health Department Fluoroscopic Clinics

Most of the county and district health officers who have not already had training in chest fluoroscopy have spent two weeks or more as guests of the N. C. Sanatorium while taking intensive courses in chest fluoroscopy. Sixty-five out of the eighty-five county and district health departments now have fluoroscopes and are conducting regular chest clinics. Most of them also have facilities for making x-ray films on their suspicious and positive cases. Many early cases are discovered through these clinics.

Service Rejectees

The State Selective Service has been sending the x-ray films of all registrants rejected on account of tuberculosis to the N. C. Sanatorium. These films are interpreted and copies of the report with recommendations as to the disposition of each case are sent to the local health officer and to the local draft board. Approximately one per cent of the total number examined are rejected on account of tuberculosis and approximately one-third of this number are found to have active tuberculosis. Fortunately, the great majority of these are in the early stage.

A great many of these patients have been treated at the three sanatoria and many of them are already well enough to go back to work.

The Department of Industrial Hygiene of the State Board of Health, working lately alone and formerly in coöperation with the U. S. Public Health Service, has made x-ray chest films of several thousand industrial workers and has discovered several cases of tuberbulosis, most of them in the early stage. It is hoped that arrangements can be made for a considerable expansion of this work.

The passage this summer of the tuberculosis control bill, making provision for $10,000,000 for tuberculosis control in the United States to be spent under the supervision of the U. S. Public Health Service, gives promise of vast possibilities in the expansion of both diagnostic and therapeutic facilities for tuberculosis control. It is understood large sums will be available for each state under plans to be approved by the U. S. Public Health Service for construction, maintenance and diagnosis.

Many Staff and Employee Changes

There have been many changes during the biennium both among our professional staff and other employees. The low scale of salaries for Sanatorium physicians has been responsible for a number of our staff physicians going into private practice. This has made it necessary for the physicians who have remained to do much overtime work. The fabulous salaries paid by war plants and elsewhere have also made it difficult for all three sanatoria to keep sufficient help to carry on. We wish to express our appreciation to those faithful employees who have remained at their posts and we want to assure them that they will not want for jobs in the future, no matter how scarce jobs may become.

It has been very difficult to secure and to keep a sufficient number of nurses—graduate, pupil or practical. We are especially indebted to Miss Eula Rackley and to Miss Nelle Smith, our most efficient superintendents of nurses at N. C. Sanatorium and at the Eastern N. C. Sanatorium, and to Miss Sadie Whitley, the newly elected superintendent of nurses at the Western N. C. Sanatorium, for their tireless efforts to see that the patients received the necessary nursing service. Fortunately they have been able to secure a number of ex-patients both as practical nurses and as orderlies.

We especially regret to report that Mrs. Carrie E. Broadfoot, who had been the most efficient superintendent of nurses at our Negro division, had a paralytic stroke in March 1943 and was forced to give up her work. She went to Boston to live with her sisters and it is to be regretted that her health continues poor.

We wish to express our appreciation to the many kind friends who have made generous donations of various kinds to the three institutions, a separate list of which will be found under the report of each institution.

I wish especially to express my deep appreciation to all the members of the board of directors for their loyal support and guidance. I wish especially also to express the profound appreciation of both Mrs. McCain and myself to the members of the board, to the members of the whole

staffs of the three institutions, to the patients and to the many kind friends for the splendid dinner with which you honored us and the many splendid gifts which you bestowed on us on the occasion of our thirtieth anniversary here at the Sanatorium.

Respectfuly submitted,

P. P. McCAIN, *Superintendent*
N. C. Sanatoria and Director Extension Department

POPULATION MOVEMENT, 1942-1943

	Total	White Adults			White Children			Negroes			Prisoners
		Men	Women	Total	Boys	Girls	Total	Men	Women	Total	
Pateints in hospital at beginning of year	591	143	141	284	8	7	15	122	140	262	30
Admissions during year:											
New admissions	674	153	142	295	13	12	25	122	193	315	39
Readmissions	81	34	26	60				11	10	21	
Total admissions	755	187	168	355	13	12	25	133	203	336	39
Total separations	737	187	170	357	12	11	26	151	169	320	34
Patients in hospital at end of year	609	142	138	280	5	12	17	103	174	277	35
Average daily population	585										
Normal capacity	650										

POPULATION MOVEMENT, 1943-1944

Patients in hospital at beginning of year	609	142	138	280	5	12	17	103	174	277	35
Admissions during year:											
New admissions	508	125	92	217	13	8	21	127	120	247	23
Readmissions	102	30	28	58	1	1	2	18	15	33	9
Total admissions	610	155	120	275	14	9	23	145	135	280	32
Total separations	629	161	123	284	6	9	15	126	162	288	42
Patients in hospital at end of year	590	136	133	269	13	13	26	121	147	268	27
Average daily population	600										
Normal capacity	650										

SUMMARY OF TWO YEAR'S WORK

July 1942-July 1944

			1942-1943	1943-1944
Letters and postals received			16,938	15,768
Individual letters written			18,058	17,949
Mimeographed letters mailed			342	147
Mimeographed forms prepared			79	60
Number of copies mimeographed			10,597	14,040
Articles written (approximate number of words):				
Press	4,600	1,400		
Sanatorium Sun	198,000	198,000	202,600	199,400
Copies *Sanatorium Sun* mailed			34,200	34,200
Articles copied (approximate number of words)			32,800	16,110
Patients histories written			691	524
Envelopes addressed			19,051	18,667
Enclosures sent out			18,804	15,352
Literature sent out			7,974	8,637
Tuberculin sent physicians			27,724	34,309
Sputum cups distributed			140,950	131,700
X-ray films sent in for interpretation			6,314	5,999
Autopsy			3	2
Operations:				
Pneumothorax			10,996	14,377
Pneumo-peritoneum			2,365	2,891
Phrenic operations			252	237
Thoracoplasty			72	64
Pneumolysis			4	22
Other operations (major and minor)			29	29
Blood transfusions			51	82
Bronchoscopy			67	47

REPORT OF P. P. McCAIN, M.D.

Days out of office	34	23
Addresses delivered	19	23
Number in audience	2,005	2,115

REPORT OF FIELD ADULT TUBERCULOSIS CLINICS

		White	Colored	Total
Number of examinations		535	139	674
New positive cases	22			
Primary tuberculosis	22			
Previously diagnosed	62			
Probable	4			
Doubtful	3			
Negative	561			

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of results of School Children's Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Coöperation with Local Health and School Authorities During School Sessions 1926-1944

RESULTS OF TUBERCULIN TESTS

(0.1 cc. 1:1000 dilution O. T. intracutaneously)

	White	Colored	Total
Number given the tuberculin test	463,653	142,098	605,751
Number positive reactors	75,800 (16.3%)	29,846 (21%)	105,646 (17.4%)

RESULTS OF THE STUDY OF 90,601 POSITIVE REACTORS HAVING X-RAYS

Number of reactors having x-rays of chest			90,601
Number of reactors diagnosed as having tuberculosis		11,421	
White	7,904		
Colored	3,517		
Primary tuberculosis	10,134		
Reinfection tuberculosis	877		
Primary and reinfection tuberculosis	183		
Extra-pulmonary tuberculosis	36		
Extra-pulmonary and reinfection tuberculosis	6		
Extra-pulmonary and primary tuberculosis	3		
Miliary tuberculosis	1		
Previously diagnosed	181		
Number of reactors classified as suspicious		5,166	
Number of reactors having no demonstrable tuberculosis		74,014	

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium in Coöperation with Local Health and School Authorities During School Sessions 1942-1943 and 1943-1944

RESULT OF TUBERCULIN TEST

(0.1 cc. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Total
Number given the tuberculin test	33,079	11,247	44,326
Number of positive reactors	5,823 (17.45%)	3,010 (26.85%)	8,833 (19.93%)

RESULTS OF THE STUDY OF 11,286 REACTORS HAVING X-RAYS

Race	Number Having X-rays	Positive		Suspicious		Negative	
		Number	%	Number	%	Number	%
White	7,705	1,258	16.33	50	0.65	6,397	83.02
Negro	3,581	522	14.58	30	0.84	3,029	84.59
Total	11,286	1,780	15.77	80	0.07	9,426	83.52

Primary type lesions	1,551
Reinfection type lesions	161
Primary and reinfection lesions	3
Extra-pulmonary	3
Previously diagnosed	62
Total	1,780

WHITE DIVISION

Adult

MEDICAL REPORT

July 1942-July 1944

Statistical

	1942-1943	1943-1944	Total
Number of patients to be reported on (discharged)	342	272	614
Number not tuberculous	15	12	27
Number of patients in Sanatorium July 1	280	269	549
Total number of patients treated	637	553	1,190
Hospital days	100,118	101,398	201,516

PATIENTS WHO STAYED LESS THAN NINETY DAYS

White Division

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Died 1942-43	Died 1943-44
Minimal	26	A	10	A	3	4		2	2	3	1	1			
		B	7	B	6	3			1	2	3	2	2		
		C		C											
		D		D											
Moderately advanced	55	A	3	A	3	2	1			1	2				
		B	21	B	11	2	1	4	2	13	3	2	5		
		C	10	C	7					6	4	4	2		1
		D		D											
Far advanced	67	A	1	A						1					
		B	8	B	6			1		5	2	2	4		
		C	26	C	10			1	1	11	1	9	4	5	4
		D	5	D	11					1			3	4	8
Primary tuberculosis	1		1			1									
Extra-pulmonary	1		1							1					
Total	150		93		57	12	2	8	6	44	16	20	20	9	13

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	3,967	2,176	Average stay	42.66	38.18	Shortest stay	4	6

	1942-43	1943-44		1942-43	1943-44
Number gained weight	46	24	Number lost weight	13	10
Average gain	6.27	6.7	Average loss	4.8	4.1
Stationary	5	5	Not weighed	29	18

PATIENTS WHO STAYED NINETY DAYS AND OVER

White Division

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Died 1942-43	Died 1943-44
Minimal	76	A	14	A	20	3	2	7	12	4	5		1		
		B	19	B	18	2	1	11	13	6	3		1		
		C	4	C	1	1		3			1				
		D	0	D	0										
Moderately advanced	182	A	16	A	8	4		8	4	4	3		1		
		B	65	B	48	1	2	16	16	42	29	2		4	1
		C	25	C	16	2		3	3	17	13	2		1	
		D	2	D	2					2					2
Far advanced	206	A	1	A	0									1	
		B	39	B	33	3		3	5	23	22	3	1	7	5
		C	58	C	60			5	7	30	27	4	11	19	15
		D	6	D	9				1	1	3	2	1	3	4
Total	464		249		215	16	5	56	61	129	106	13	16	35	27

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	94,658	92,068	Average stay	308.15	428.2	Longest stay	1,764	2,343

	1942-43	1943-44		1942-43	1943-44
Number gained weight	174	129	Number lost weight	36	47
Average gain	18.42	17.6	Average loss	10.37	8
Stationary	7	10	Not weighed	32	29

HISTORY OF HEMORRHAGE

White Adult

		1942-43	1943-44
Negative		272	204
Positive	Previous	52	52
	Previous and during residence	10	8
	During residence only	8	8

RESULT OF SPUTUM EXAMINATIONS

Negative of no sputum		151	101
Positive	On admission	180	161
	During residence	133	130
	On discharge	86	72

SEX, AGE AND CIVIL CONDITION

White Division

1942-1943

Sex		Age						Civil Condition			
		8-19	20-29	30-39	40-49	50-59	60-74	Single	Married	Widowed	Divorced
Male	179										
Female	163	26	133	98	47	25	13	121	197	18	6
Total	342										

1943-1944

Male	119										
Female	153	26	81	71	46	29	19	84	156	19	13
Total	272										

White Division

TUBERCULOUS COMPLICATIONS

Abscess (cold)	1
Adenitis (cervical)	2
Anal fistula	2
Broncho-pleural fistula	10
Cystitis	1
Empyema	27
Enteritis	24
Laryngitis	42
Lupus vulgaris	1
Meningitis	3
Nephritis	3
Orchitis	4
Otitis media	5
Perirectal abscess	2
Peritonitis	2
Pharyngitis	14
Pleurisy with effusion	26
Pleurocutaneous fistula	1
Pneumonia (atypical)	2
Pott's disease	2
Spontaneous pneumothorax	2
Stomatitis	1
Thoracic sinus	1
Tracheobronchitis	4

NON-TUBERCULOUS COMPLICATIONS

Abscess (stitch)	1
Acne simplex	1
Adenocarcinoma	1
Alcoholism (chronic)	2
Amenorrhea	2
Amputation of arm	1
Amputation of leg	1
Amyloid degeneration	2
Anal fistula	1
Anemia	7
Appendicitis (chronic)	2
Arteriosclerosis	4
Arthritis	12
Asthma	9
Atrophy of hip and muscles	1
Atrophy of testicle	11
Atrophy thenar eminence hand	1
Bell's palsy	1
Blindness (partial)	5
Bronchiectasis	1
Carious teeth	114
Cataract	5
Cervical lymphadenitis	1
Cervicitis	1
Cholecystitis	4
Cholelithiasis	2
Claw hand	1
Cor pulmonale	5
Cystitis	2
Cystocele	1
Deafness (complete)	1
Deafness (partial)	10
Dermatitis	2
Deviated nasal septum	1
Diabetes mellitus	6
Diseased tonsils	41
Dupuytren's contraction	1
Dysmenorrhea	1
Eczema	1
Edentulous	3
Emphysema	2
Empyema	3
Enucleation of eye	2
Epidermaphytosis	2
Epididymitis	1
Epilepsy	4
Erosion of cervix	1
Gastric ulcer	4
Glaucoma	2
Goitre (simple)	4
Hemorrhoids	25
Hookworm	24
Horner's syndrome	2
Hydronephrosis	1
Hypertension	24
Hypertrophied prostate	1
Hypospadia	1
Inguinal hernia	16
Laceration of cervix	2
Lipoma	3
Lues	15
Malaria	1
Malnutrition	6
Menopausal syndrome	3
Mental deficiency	3
Migraine	1
Mitral regurgitation	5
Motor disturbance of eye	1
Mumps	1
Myocarditis	9
Nasal polyp	7
Nephritis	1
Neurasthenia	2
Obesity	2
Organic heart disease	1
Osteomyelitis	1
Otitis media	19
Ozena	1
Paralysis agitans	2
Paralysis (partial)	2
Paroxysmal tachycardia	2
Peptic ulcer	3
Pes planus	1
Pharyngitis	2
Pityriasis rosea	2
Poliomyelitis (inactive)	1

Postoperative abdominal adhesions	2
Postpartum hemmorhage	1
Pregnancy	4
Prolapse of uterus	1
Prostatitis	4
Psychosis	1
Pterygium	2
Pulmonary cyst	1
Pyelitis	1
Pyorrhea	88
Rectocele	1
Rheumatism	1
Rheumatic heart disease	1
Rhinitis	26
Roundworm	2
Sacroiliac sprain	1
Scoliosis	3
Seborrheic dermatitis	2
Senile dementia	1
Sinusitis	9
Stomatitis	1
Strabismus	1
Tinea infection	1
Ulcerated nasal septum	1
Urethritis	1
Uterine fibroid	2
Varicocele	6
Varicose veins	3

OCCUPATIONS

Accountant	2
Attendant	1
Auditor	2
Aviator	1
Barber	3
Basket factory	1
Beautician	3
Blacksmith	1
Boatman	1
Boiler maker	1
Bookkeeper	7
Bus driver	1
Butcher	1
Carpenter	21
Cashier	2
Clerk	21
Clerical work	5
Construction	2
Cotton supply man	1
Dairyman	2
Dentist	1
Dietitian	2
Doctor	3
Draftsman	1
Drug clerk	2
Electrician	3
Farmer	104
Furniture factory	1
Guard	1
Hosiery mill	3
House work	178
Insurance agent	1
Instructor	1
Janitor	1
Justice of Peace	1
Laborer	2
Livestock	2
Logging	1
Lumber checker	1
Lumber company manager	1
Machinist	5
Mail carrier	1
Meat cutter	2
Mechanic	12
Merchant	6
Mining	1
Nurses' Aide	1
NYA supervisor	1
Painter	3
Paper mill	1
Plumber	2
Preacher	1
Practical nurse	3
Printing	1
Prison superintendent	1
Railroad accountant	1
Railroad conductor	3
Railway Express	1
Railroad workers	2
Registered nurse	14
Restaurant owner	1
Salesman	9
Salvation Army	1
Sawmill	5
Seamstress	3
Stenographer	5
Service station	2
Sheet metal	4
Shoe repairer	1
State highway foreman	1
Steam fitter	1
Student	28
Student nurse	8
Surveyor	2
Taxi driver	2
Teacher	6
Telephone operator	2
Textile	63
Theatre usher	2
Tobacco factory	8
Tobacco inspector	1
Truck driver	3
Waitress	1
Watchmaker	2
Welder	1

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

	Children				White		Colored		Prison		Total	
	White		Colored									
	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44
July	29	35	4	10	241	255	40	35	2	5	316	340
August	47	45	21	18	264	235	43	63	5	5	380	366
September	36	50	15	28	252	248	46	43	2	2	351	371
October	32	37	3	14	204	224	42	30	2	3	283	308
November	31	26	1	17	160	192	25	33	1	2	218	270
December	17	35	5	10	158	191	24	34	----------	5	204	275
January	29	21	----------	4	159	180	33	67	6	2	227	274
February	40	38	27	15	209	221	48	25	3	3	327	302
March	40	48	27	14	209	248	48	53	5	3	329	366
April	48	42	16	4	275	215	46	22	9	----------	394	283
May	35	64	15	16	220	281	36	31	4	----------	310	392
June	63	44	7	46	268	211	44	69	7	3	389	373
Total	447	485	141	196	2,619	2,701	475	505	46	33	3,728	3,920

CLASSIFICATION

Positive diagnosis	25	14	21	14	110	112	48	54	32	29	236	223
Negative diagnosis	287	316	92	126	1,350	1,354	259	274	10	2	1,998	2,072
Reexaminations	135	155	28	56	1,159	1,235	168	177	4	2	1,494	1,625
Total	447	485	141	196	2,619	2,701	475	505	46	33	3,728	3,920

SUMMARY OF MEDICAL REPORT

White Division

	1942-1943	1943-1944	Total
Patients admitted:			
Minimal	63	44	107
Moderately advanced	136	104	240
Far advanced	147	120	267
Extra-pulmonary	1	1	2
Primary tuberculosis			
Not tuberculous	8	5	13
Not classified		1	1
Total	355	275	630
Patients discharged:			
Apparently arrested	28	7	35
Quiescent	64	67	131
Improved	173	122	295
Unimproved	33	36	69
Died	44	40	84
Total	342	272	614

REPORT OF X-RAY LABORATORY

All Divisions

July 1942-July 1944

	White	Colored	Prison	Total
Stereoroentgenograms of chest Sanatorium patients	806	612	76	1,494
Stereoroentgenograms of chest Sanatorium clinic patients	190			190
Double roentgenograms of chest Sanatorium patients	53	55		108
Double roentgenograms of chest Sanatorium clinic patients	52	26		78
Double roentgenograms of chest children's clinics	361	338		699
Single roentgenograms of chest Sanatorium patients	209	1,414	43	1,666
Single roentgenograms of chest Sanatorium clinic patients	1,822	370		2,192
Single roentgenograms of chest children's clinics	1,055	784		1,839
Single roentgenograms of chest adult clinics	6,208	2,712		8,920
Miscellaneous x-rays	572	291	44	907
Total	11,328	6,602	163	18,093
X-ray treatments	74	43	14	131

LABORATORY REPORT

All Divisions

July 1942-July 1944

	White	Colored	Prison	Total
Sputanalyses:				
Micro	5,807	4,782	548	11,137
Chem	2,166	1,734	121	4,021
Total	7,973	6,516	669	15,158
Urinalyses:				
Micro	1,742	846	109	2,697
Chem	10,914	4,298	367	15,579
Total	12,656	5,144	476	18,276
Blood:				
W. B. C.	928	721	69	1,718
R. B. C.	946	716	69	1,731
Hemoglobin	987	714	69	1,770
C. I.	877	707	69	1,653
Differential	915	724	69	1,708
Kline	1,061	1,295	81	2,437
Malaria	34	17	9	60
Spinal fluid	10	6		16
Blood chemistry	2			2
Bleeding time	229	156	5	390
Blood sugar	84	35		119
Cross matching	281	125	1	407
Blood typing	479	206	2	687
Sedimentation rate	609	398	40	1,047
N. P. N.	5	4		9
Total	7,447	5,824	483	13,754
Feces	821	688	83	1,592
Phthalein	3			3
Gastric washings for tubercle bacilli	97	43	4	144
Pleural fluid	244	126	5	375
B. M. R.	26	7		33
Bacteriological	501	591	24	1,116
Vital capacity	86	52		138
Culture for tubercle bacilli	392	226	19	637
Gastric analysis	3			3
Culture for fungi	39	29	5	73
Aschheim Zondek	84	7		91
Gram stain	4	16	2	22
Guinea pig autopsy	56	37	4	97
Total	2,356	1,822	146	4,324
Milk: Bacterial count				3,085
Total examinations and tests				54,597

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mr. J. E. McDavid, Fayetteville
P. F. Collier & Son Corporation, New York
Miss Marianne Martin, Leaksville
Mr. and Mrs. Dave Sloan, Warrenton
The Sunshine Club, Sanatorium
Miss Margaret McLeod, Aberdeen
Patients, Sanatorium

Miscellaneous:

Mr. and Mrs. Maurice Thiem, Raleigh
Mr. Hank Kistler, Kinston
Wallace Woman's Club, Wallace
Elizabeth Ayers Circle, Forest City
Hardware Store, Charlotte
Children of the Confederacy, Wilson
Mrs. J. A. Warren, Chapel Hill
Raeford Kiwanis Club, Raeford
Mr. Alex McDonald, St. Pauls
Mrs. Joe Townsend, Pine Bluff
Miss Vera McLean and Sunday School Class, Cameron
Mrs. K. Gillam Bullock and Y. W. A. Girls, Durham

Cash Donations:

Mrs. J. B. Rountree (Donation to Red Cross fund), Pinehurst
Mr. and Mrs. Foushee Railey, Como
Mrs. Gertrude McRae, Rockingham
Miss Mary Alice Harris, Farmville
Mr. Lawrence Wheelock, Sanford
Pee Dee Guards Chapter, Rockingham
Mr. Weldon Brooks, Prospect Hill

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1942-43	1943-44	Total
Number of patients to be reported on (discharged)	23	15	38
Number not tuberculous	3		3
Number of patients in Sanatorium July 1	17	26	43
Total number of patients treated	43	41	84
Hospital days	6,866	7,780	14,646

SUMMARY MEDICAL REPORT

	1942-43	1943-44			
Patients admitted:					
Reinfection type tuberculosis			9	5	14
					P
					P
					P
Minimal	7	3			P
Moderately advanced	2	2			P
Far advanced					P
					P
Extra-pulmonary				4	4
Primary tuberculosis			14	13	27
Not tuberculous			2	1	3
Total			25	23	48
Patients discharged:					
Apparently healed			12	9	21
Apparently inactive			9	4	13
Improved			1	1	2
Unimproved			1	1	2
Total			23	15	38

SEX AND AGE

	1942-43	1943-44	Total
Sex:			
Male	13	7	20
Female	10	8	18
Total	23	15	38
Age:			
7 months to 9 years	13	7	20
10 to 16 years	10	8	18
Total	23	15	28

TUBERCULOUS COMPLICATIONS

Adenitis (axillary)	1	Spontaneous pneumothorax	1
Meningitis	1	Tracheobronchitis	1
Pleurisy with effusion	2		

NON-TUBERCULOUS COMPLICATIONS

Asthma (bronchial)	1	Impetigo	1
Carious teeth	8	Malnutrition	1
Congenital heart disease	1	Phimosis	1
Convergent squint	1	Pneumonitis	1
Diseased tonsils	7	Pyorrhea	1
Goitre	1	Rhinitis	2
Hookworm	1	Roundworm infection	3
Hypertension	1		

NEGRO DIVISION

MEDICAL REPORT

Statistical

	1942-43	1943-44	Total
Number of patients to be reported on (discharged)	300	280	580
Number not tuberculous	20	8	28
Number of patients in Sanatorium July 1	277	268	545
Total number of patients treated	597	556	1,153
Hospital days	95,072	100,246	195,318

PATIENTS WHO STAYED LESS THAN NINETY DAYS

Negro Division

1942-1944

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Died 1942-43	Died 1943-44
Minimal	5	A	1	A	1		1	1							
		B	2	B	1	1		1	1						
		C	0	C	0										
		D	0	D	0										
Moderately advanced	23	A	4	A	0	2				2					
		B	4	B	9	2	2			2	2		4	1	1
		C	3	C	1					2				1	1
		D	1	D	1									1	1
Far advanced	77	A	0	A	0										
		B	1	B	1						1	1			
		C	13	C	11					4	4	3	1	6	6
		D	26	D	25					1		2	4	23	21
Primary tuberculosis	9		5		4	4	3					1	1		
Extra-pulmonary tuberculosis	3		1		2		1					1			1
Total	117		61		56	9	7	2	1	11	7	8	10	32	31

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	3,000	2,456	Average stay	49.1	44	Shortest stay	3	6

	1942-43	1943-44		1942-43	1943-44
Number gained weight	16	9	Number lost weight	4	10
Average gain	8.8	5.6	Average loss	12	6.8
Stationary	2	2	Not weighed	39	35

PATIENTS WHO STAYED NINETY DAYS AND OVER

Negro Division

1942-1944

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Died 1942-43	Died 1943-44
Minimal	45	A	9	A	18	2	5	6	12					1	1
		B	5	B	11	2		3	9		1				1
		C	2	C	0			1		1					
		D	0	D	0										
Moderately advanced	140	A	12	A	5	1		7	2	3	2	1			1
		B	42	B	39	2	2	15	16	20	13	2		3	8
		C	21	C	19		1	9	2	5	7			7	9
		D	0	D	2						1				1
Far advanced	219	A	1	A	0			1							
		B	21	B	14	1		4	1	9	11	2		5	2
		C	64	C	69	1		4	2	39	14	2	3	18	50
		D	32	D	18					8	4	5	1	19	13
Primary tuberculosis	54		28		26	21	14	6	11	1	1				
Extra-pulmonary	5		2		3		1	1	1					1	1
Total	463		239		224	30	23	57	56	86	54	12	4	54	87

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	83,914	80,129	Average stay	351.1	357.7	Longest stay	1,417	1,424

	1942-43	1943-44		1942-43	1943-44
Number gained weight	152	113	Number lost weight	46	27
Average gain	13.9	16.3	Average loss	13.3	10.7
Stationary	6	8	Not weighed	35	76

Negro Division

HISTORY OF HEMORRHAGE

		1942-43	1943-44
Negative		227	203
Positive	Previous only	61	49
	Previous and during residence	7	17
	During residence only	5	11

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum		113	99
Positive	On admission	175	173
	During residence	161	154
	On discharge	125	128

SEX, AGE AND CIVIL CONDITION

1942-1943

Sex		Age						Civil Condition			
		2-9	10-19	20-29	30-39	40-49	50-74	Single	Married	Widowed	Divorced
Male	139										
Female	161	25	63	112	66	17	17	167	106	12	15
Total	300										

1943-1944

Male	122										
Female	158	21	65	107	58	20	9	146	105	14	15
Total	280										

Negro Division

OCCUPATIONS

1942-1943

Baker	3
Barber	2
Basket factory	1
Bottling plant	1
Butler	3
Cafe worker	1
Carpenter	1
Chauffeur	2
Children under school age	13
Clerk	1
Cook	12
Defense worker	2
Delivery boy	1
Dishwasher	2
Dry cleaner	2
Factory worker	5
Farmer	129
Fertilizer plant	1
Fireman	1
Granite quarry	1
Housework	115
Ice plant	1
Janitor	9
Laborer	41
Laundress	7
Lumberman	1
Maid	12
Mechanic	1
Mill (textile)	6
Musician	2
Nurse maid	7
NYA worker	1
Preacher	2
Printer	1
Porter	2
Railroad worker	1
Sawmill	6
Seamstress	2
Secretary	1
Shipyard	3
Shoemaker	1
Soldier	1
Stenographer	1
Student	133
Tailoring	2
Taxi driver	3
Teacher	4
Tobacco factory	18
Truck driver	5
Veneering plant	1
Waitress	3
Welding	1
WPA worker	2

TUBERCULOUS COMPLICATIONS

Adenitis (axillary)	2
Adenitis (cervical)	32
Adenitis (inguinal)	1
Atelectasis	1
Anal fistula	7
Bronchopleural fistula	4
Empyema	10
Enteritis	71
Laryngitis	38
Meningitis	9
Nephritis	7
Osteitis	4
Otitis media	2
Pericarditis with effusion	1
Peritonitis	9
Pharyngitis	4
Pleural effusion	51
Pott's disease	7
Rectal abscess	6
Spontaneous pneumothorax	5
Subcutaneous fistula	1
Tracheobronchitis	6
Tuberculid	3

NON-TUBERCULOUS COMPLICATION

Abscess	1
Acne	1
Amenorrhea	1
Amputation (arm)	1
Anemia	4
Anemia (sickle cell)	1
Arteriosclerosis	2
Arthritis	3
Asthma	1
Atrophy of testicle	3
Carious teeth	167
Cataract	4
Cataract (congenital)	1
Conjunctivitis	3
Cryptorchidism	2
Cor pulmonale	3
Deafness (partial)	4
Diabetes mellitus	3
Diseased tonsils	53
Eczema	2
Enucleation of eye	1
Epilepsy	2

Gastric ulcer	1
Goitre (simple)	19
Gonorrhea	2
Hemorrhoids	3
Hernia	5
Hernia (umbilical)	6
Hookworm	6
Hypertension	18
Hypertrophy of prostate	1
Keratitis	1
Lichen's planus	1
Lipoma	2
Lues	34
Lues (congenital)	1
Lung abscess	1
Malnutrition	3
Menopausal syndrome	2
Mental deficiency	2
Mitral regurgitation	5
Myocarditis	3
Nystagmus	2
Obesity	1
Orchitis	1
Otitis media	3
Paralysis (partial)	1
Perirectal abscess	1
Pes planus	2
Pituitary dwarf	1
Pregnancy	1
Psychosis	1
Pyorrhea	72
Rectal fistula	1
Roundworm infection	3
Salpingitis	2
Senile dementia	1
Scoliosis	2
Sinus (abdominal)	1
Tinea capitis	1
Urethral stricture	1
Varicose veins	2

Negro Division

SUMMARY OF MEDICAL REPORT

	1942-1943	1943-1944	Total
Patients admitted:			
Minimal	35	30	65
Moderately advanced	81	67	148
Far advanced	175	143	318
Extra-pulmonary	2		2
Primary tuberculosis	28	30	58
Not tuberculous	14	6	20
Not classified	1	4	5
Total	336	280	616
Patients discharged:			
Apparently arrested	38	30	68
Quiescent	59	57	116
Improved	97	61	158
Unimproved	20	14	34
Died	86	118	204
Total	300	280	580

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. Leslie D. Hawkridge, Newton Center, Mass.
Mr. C. B. Fownes, Pinehurst

Miscellaneous:

Mrs. J. T. Mattox, Salisbury
Mrs. Mark Dew, Winston-Salem
Book Club of Today, Winston-Salem
Mr. J. S. Brown, Southern Pines
Mrs. James Hanson Andrews, Southern Pines
Mrs. Mary C. Holliday, Statesville
Knitting Club, Southern Pines

Cash Donations:

Mrs. C. B. Fownes, Pinehurst
Agnes and Layola Quinlon, Pinehurst
Mrs. William C. Fownes, Jr., Pinehurst
Charlotte Hawkins Brown Chapter Federation of Women of Moore County

PRISON DEPARTMENT

MEDICAL REPORT

	1942-1943	1943-1944	Total
Number of patients to be reported on (discharged)	30	39	69
Number not tuberculous	4	3	7
Number of patients in Sanatorium July 1	35	26	61
Total	69	68	137
Hospital days	10,170	10,383	20,553

SUMMARY MEDICAL REPORT

	1942-1943	1943-1944	Total
Patients admitted:			
Minimal	10	5	15
Moderately advanced	7	9	16
Far advanced	18	16	34
Primary tuberculosis		1	1
Not tuberculous	4	1	5
Total	39	32	71
Patients discharged:			
Apparently arrested	2	6	8
Quiescent	1	4	5
Improved	12	17	29
Unimproved	6	5	11
Died	9	7	16
Total	30	39	69

EASTERN NORTH CAROLINA SANATORIUM

Report for

Biennium Ending June 30, 1944

POPULATION MOVEMENT

1942-1943 *

	Total	White			Colored		
		Men	Women	Total	Men	Women	Total
Patients in hospital at beginning of year	-------	-------	-------	-------	-------	-------	-------
Admissions during the year:							
New admissions	256	67	51	118	81	57	138
Readmissions	-------	-------	-------	-------	-------	-------	-------
Total admissions	256	67	51	118	81	57	138
Separations during year	77	16	14	30	28	19	47
Patients in hospital at end of year	179	51	37	88	53	38	91
Average daily population	165						
Normal capacity	185						

1943-1944

Patients in hospital at beginning of year	179	51	37	88	53	38	91
Admissions during the year:							
New admissions	179	39	33	72	63	44	107
Readmissions	10	4	2	6	2	2	4
Total admissions	189	43	35	78	65	46	111
Separations during year	184	44	33	77	62	45	107
Patients in hospital at end of year	184	50	39	89	56	39	95
Average daily population	180						
Normal capacity	185						

* Sanatorium opened January 15, 1943.

SUMMARY OF WORK

January 15, 1943-June 30, 1944

	1942-43 *	1943-44
Letters and postals received	2,893	6,016
Individual letters written	2,582	5,617
Cards and envelopes addressed	1,661	2,574
Enclosures sent out	1,799	2,800
X-rays sent in for interpretation	413	1,026
Patients' histories written	134	215
Sputum cups distributed	5,000	12,000
Tuberculin sent physicians (vials)	91	209
Articles written (approximate number of words):		
Press	----------	950
Operations:		
Phrenic operations	61	85
Pneumothorax	1,454	3,200
Pneumoperitoneum	330	1,780
Aspirations	138	480
Other minor operations	2	12
Blood transfusions	----------	1

* Sanatorium opened January 15, 1943.

REPORT OF H. F. EASOM, M.D.

	1942-43	1943-44
Days out of office	4	34
Addresses delivered	3	1
Approximate number in audience	272	35

REPORT OF SCHOOL CLINICS—X-RAY

	1942-1943						1943-1944		
	Children			Adults			Children		
	White	Colored	Total	White	Colored	Total	White	Colored	Total
Primary tuberculosis, healed	13	35	48	7	13	20	17	54	71
Primary tuberculosis, active								2	2
Reinfection type tuberculosis					3	3			
Primary and reinfection tuberculosis	1		1						
Previously diagnosed							7	1	8
Negative	40	95	135	92	87	179	109	201	310
Total	54	130	184	99	103	202	133	258	391

MEDICAL REPORT

Statistical

January 15, 1943-June 30, 1944

	1942-1943			1943-1944		
	White	Colored	Total	White	Colored	Total
Number of patients to be reported on (discharged)	29	44	73	75	103	178
Number not tuberculous	1	3	4	2	4	6
Number patients in Sanatorium June 30	88	91	179	89	95	184
Total number of patients treated	118	138	256	166	202-	368
Hospital days	13,825	13,680	27,505	32,739	33,093	65,832

SUMMARY OF MEDICAL REPORT

White and Colored Divisions

January 15, 1943-June 30, 1944*

	1942-1943			1943-1944			Biennium		
	White	Colored	Total	White	Colored	Total	White	Colored	Total
Patients admitted:									
Minimal	12	8	20	7	6	13	19	14	33
Moderately advanced	54	35	89	35	32	67	89	67	156
Far advanced	51	88	139	36	69	105	87	157	244
Extra-pulmonary		1	1					1	1
Non-tuberculous	1	5	6		4	4	1	9	10
Primary tuberculosis		1	1					1	1
Total	118	138	256	78	111	189	196	249	445
Patients discharged:									
Apparently arrested	1		1	4	1	5	5	1	6
Quiescent	7		7	33	10	43	40	10	50
Improved	11	17	28	19	30	49	30	47	77
Unimproved	5	10	15	15	19	34	20	29	49
Died	5	17	22	4	43	47	9	60	69
Non-tuberculous	1	3	4	2	4	6	3	7	10
Total	30	47	77	77	107	184	107	154	261

* Sanatorium opened January 15, 1943.

White Division

PATIENTS WHO STAYED LESS THAN NINETY DAYS

January 15, 1943-June 30, 1944 *

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Dead 1942-43	Dead 1943-44
Minimal	4	A	2	A	2	1				1	1		1		
Moderately advanced	13	A	3	A	2					2	1	1	1		
		B	2	B	5			1	1		2	1	2		
		C	1	C	0									1	
Far advanced	13	B	4	B	2				1	4	1				
		C	5	C	0							3		2	
		D	0	D	2								1		1
Non-tuberculous	3		1		2										
Total	33		18		15	1		1	2	7	5	5	5	3	1

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	838	640	Average stay	46.6	42.7	Shortest stay	15	3

	1942-43	1943-44		1942-43	1943-44
Number gained weight	10	8	Number lost weight	3	3
Average gain	3.3	5.5	Average loss	3.3	4.7
Stationary	3	2	Not weighed	2	2

* Sanatorium opened January 15, 1943.

White Division

PATIENTS WHO STAYED NINETY DAYS OR OVER

January 15, 1943-June 30, 1944 *

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Dead 1942-43	Dead 1943-44
Minimal	8	A	0	A	5		1		4						
		B	2	B	1			2	1						
Moderately advanced	34	A	0	A	5				4				1		
		B	6	B	18		3	4	11	2	4				
		C	1	C	4				1	1	1		2		
Far advanced	32	B	1	B	12				7	1	5				
		C	1	C	15				3		4		5	1	3
		D	1	D	2								2	1	
Total	74		12		62		4	6	31	4	14		10	2	3

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	1,560	16,413	Average stay	130	264.7	Longest stay	162	518

	1942-43	1943-44		1942-43	1943-44
Number gained weight	9	40	Number lost weight	2	14
Average gain	9	13.5	Average loss	4	6.6
Stationary		3	Not weighed	1	5

* Sanatorium opened January 15, 1943.

Colored Division

PATIENTS WHO STAYED LESS THAN NINETY DAYS

January 15, 1943-June 30, 1944 *

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Dead 1942-43	Dead 1943-44
Minimal	3	A	2	A	1					1		1	1		
Moderately advanced	5	B	2	B	1					1	1	1			
		C	1	C	1					1					1
		A	0	A	1								1		
Far advanced	30	B	0	B	2								2		
		C	6	C	6							1	2	5	4
		D	9	D	6							2		7	6
Non-tuberculous	5		3		2										
Total	43		23		20					3	1	5	6	12	11

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	1,084	891	Average stay	47.1	44.6	Shortest stay	9	3

	1942-43	1943-44		1942-43	1943-44
Number gained weight	5	2	Number lost weight	2	6
Average gain	12.6	5	Average loss	11.5	12
Stationary	2	4	Not weighed	14	8

* Sanatorium opened January 15, 1943.

Colored Division

PATIENTS WHO STAYED NINETY DAYS AND OVER

January 15, 1943-June 30, 1944 *

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Dead 1942-43	Dead 1943-44
Minimal	8	A	1	A	3				2	1	1				
		B	1	B	2		1		1	1					
		C	1	C	0					1					
Moderately advanced	31	A	2	A	6				2	2	4				
		B	3	B	12				3	3	6		2		1
		C	2	C	6					1	3	1			3
	68	B	3	B	12				1	1	6	2	3		2
		C	9	C	30				1	3	8	2	6	4	15
		D	1	D	13								2	1	11
Primary tuberculosis	1		1		0					1					
Non-tuberculous	2		0		2										
Extra-pulmonary	1		0		1						1				
Total	111		24		87		1		10	14	29	5	13	5	32

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	2,972	18,819	Average stay	123.8	216.3	Longest stay	159	472

	1942-43	1943-44		1942-43	1943-44
Number gained weight	13	31	Number lost weight	5	25
Average gain	7.4	13.1	Average loss	8	11.2
Stationary	1	2	Not weighed	5	28

* Sanatorium opened January 15, 1943.

HISTORY OF HEMORRHAGE

White Division

		1942-43 *	1943-44	Total
Negative		23	52	75
Positive	Previous	6	20	26
	Previous and during residence		5	5
	During residence only	1		1

* Sanatorium opened January 15, 1943.

RESULT OF SPUTUM EXAMINATIONS

White Division

	1942-43 *	1943-44	Total
Negative or no sputum	21	38	59
Positive:			
On admission	9	31	40
During residence	9	33	42
On discharge	9	27	36

* Sanatorium opened January 15, 1943.

HISTORY OF HEMORRHAGE

Colored Division

		1942-43 *	1943-44	Total
Negative		35	73	108
Positive	Previous	8	16	24
	Previous and during residence	3	15	18
	During residence only	1	2	3

* Sanatorium opened January 15, 1943.

RESULT OF SPUTUM EXAMINATIONS

Colored Division

	1942-43 *	1943-44	Total
Negative or no sputum	24	42	66
Positive:			
On admission	23	63	86
During residence	23	57	80
On discharge	18	54	72

* Sanatorium opened January 15, 1943.

SEX, AGE, AND CIVIL CONDITION
White Division
January 15, 1943-June 30, 1943

Sex		Age							Civil Condition			
		10-19	20-29	30-39	40-49	50-59	60-69	70-79	Single	Married	Widowed	Divorced
Male	16											
Female	14											
Total	30	------	5	13	3	5	3	1	1	22	4	3
1943-1944												
Male	44											
Female	33											
Total	77	4	17	22	15	10	9	------	16	54	6	1

SEX, AGE AND CIVIL CONDITION
Colored Division
January 15, 1943-June 30, 1943

Sex		Age						Civil Condition			
		10-19	20-29	30-39	40-49	50-59	60-69	Single	Married	Widowed	Divorced
Male	29										
Female	18										
Total	47	14	13	9	4	6	1	23	20	2	2
1943-1944											
Male	62										
Female	45										
Total	107	17	41	24	17	8	------	41	53	8	5

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

January 15, 1943-June 30, 1944

	Children				White		Colored		Total	
	White		Colored							
	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44
July		10		1		100		24		135
August		13		1		115		17		146
September		26		2		171		79		278
October		8		2		114		26		150
November		21				78		23		122
December		14		1		80		31		126
January		12			40	106	2	26	42	144
February	15	7	2		65	86	5	25	87	118
March	11	10		3	63	124	13	33	87	170
April	8	14	2	8	99	68	17	21	126	111
May	20	15	3	8	62	114	9	20	94	157
June	19	22		2	93	122	47	33	159	179
Total	73	172	7	28	422	1,278	93	358	595	1,836
CLASSIFICATION										
Positive diagnosis		1	1		20	47	11	44	32	92
Negative diagnosis	62	130	5	27	235	570	58	125	360	852
Reexaminations	11	41	1	1	167	661	24	189	203	892
Total	73	172	7	28	422	1,278	93	358	595	1,836

REPORT OF X-RAY LABORATORY

January 15, 1943-June 30, 1944

	White	Colored	Total
Stereoroentgenograms of chest, Sanatorium patients	83	140	223
Stereoroentgenograms of chest, Sanatorium clinic patients	36	5	41
Stereoroentgenograms of chest, children's clinics	1		1
Double roentgenograms of chest, Sanatorium patients		1	1
Double roentgenograms of chest, Sanatorium clinic patients	3		3
Double roentgenograms of chest, children's clinics	76	90	166
Single roentgenograms of chest, Sanatorium patients	518	376	894
Single roentgenograms of chest, Sanatorium clinic patients	1,096	394	1,490
Single roentgenograms of chest, children's clinics	147	307	454
Miscellaneous x-rays	42	91	133
Reprints	1		1
Total	2 003	1,404	3,407

LABORATORY REPORT

January 15, 1943-June 30, 1944

	White	Colored	Total
Sputanalyses:			
Micros	1,463	1,131	2,594
Chem	172	274	446
Total	1,635	1,405	3,040
Urinalyses:			
Micros	287	245	532
Chem	2,138	322	2,460
Total	2,425	567	2,992
Blood:			
W. B. C	191	257	448
R. B. C	195	247	442
Hemoglobin	198	248	446
C. I	192	247	439
Differential	195	252	447
Kline	182	423	605
Sedimentation index	182	234	416
Culture	2	----------	2
Malaria	28	4	32
Sugar	14	5	19
Blood typing	15	----------	15
Cross matching	5	----------	5
Occult	10	6	16
Blood chemistry	7	----------	7
Coagulation	1	----------	1
Total	1,417	1,923	3,340
Feces	162	232	394
Phthalein	1	----------	1
Gastric analysis	4	1	5
Gastric lavage	10	11	21
Pleural fluid	89	208	297
B. M. R	9	----------	9
Bacteriological	98	358	456
Cultures	85	141	226
Spinal fluid	----------	4	4
Total	458	955	1,413
Milk: Samples tested for per cent fat	----------	----------	18
Reaction	----------	----------	2
Total examinations and tests	----------	----------	10,805

White Division

TUBERCULOUS COMPLICATIONS

Anal fistula	2	Otitis media	5
Empyema	1	Pharnygitis	1
Enteritis	2	Pleural effusion	9
Laryngitis	4	Tracheobronchitis	3

NON-TUBERCULOUS COMPLICATIONS

Anemia	3	Hypertension	10
Blindness one eye, partial	1	Hypertrophic arthritis	1
Bronchial asthma	1	Hypotension	2
Cholecystitis, chronic	1	Malaria	2
Chorea	1	Monolateral kidney (surgical)	1
Cirrhosis of liver, alcoholic	1	Nephritis, chronic glomerular	1
Cystocele	1	Post-operative abdominal fistula	1
Deafness, partial	3	Pregnancy	1
Dental caries	15	Prostatic hypertrophy	2
Diabetes mellitus	3	Psoriasis	1
Diseased tonsils	5	Pyorrhea	8
Empyema	1	Sciatica	1
Endocervicitis, chronic	1	Strabismus	1
Goiter, non-toxic	2	Stuttering	1
Hemorrhoids	2	Syphilis	1
Hernia, inguinal	1	Trichomonas vaginalis	1
Hernia, abdominal	1	Urethral strictures, chronic	1
Hookworm	3	Vincent's angina	3
Hydrocele	1		

OCCUPATIONS

Aviation mechanic	1	Painter	1
Aviator	1	Physician	1
Blacksmith	1	Railroad conductor	1
Bookkeeper	1	Salesman	3
Cafe operator	1	Saw mill worker	1
Carpenter	3	Service station operator	1
Clerk	2	Shipyard worker	1
Dry cleaner	1	Stenographer	1
Farmer	22	Student	1
Farmer-musician	1	Superintendent packing company	1
Fisherman	2	Surveyor	1
Guide	1	Teacher	1
House work	40	Telephone operator	1
Laborer	1	Textile worker	5
Machinist	1	Tobacconist	1
Mail carrier	1	Truck driver	1
Merchant	1	Welder	1
Nurse	1		

Colored Division

TUBERCULOUS COMPLICATIONS

Bronchopleural fistula	1	Laryngitis	30
Cervical adenitis	1	Meningitis	4
Empyema	2	Miliary tuberculosis	1
Enteritis	18	Otitis media	3
Fistula en ano	8	Pericardial effusion	1

Peritonitis	3
Pharyngitis	1
Phlyctenular conjunctivitis	1
Pleural effusion	15
Rectal abscess	1
Spontaneous pneumothorax	2
Tuberculosis of ribs	1
Tuberculosis of spine	5

NON-TUBERCULOUS COMPLICATIONS

Anal fissure	1
Anemia	27
Arthritis	6
Atrophic rhinitis	1
Avitaminosis	1
Blindness, partial	2
Condyloma of vulva	1
Cystocele	1
Deafness, partial	1
Dental caries	33
Diabetes mellitus	3
Diseased tonsils	4
Dwarf tapeworm	2
Endocervicitis, chronic	4
Epilepsy	2
Goiter, simple	2
Gonorrhea	12
Hemorrhoids	5
Hernia	1
Hookworm	1
Hydrocele	3
Hypertension	13
Hypertensive heart disease	2
Hyperthyroidism	1
Hypotension	7
Ichthyosis	1
Nasal polyp	1
Obesity	1
Opacity, corneal	1
Osteomylitis	2
Otitis media	1
Perforated ear drum	1
Phlebitis	1
Pregnancy	1
Prostatic hypertrophy	5
Pyorrhea	14
Rectocele	1
Sarcoid disease of the eye	1
Sinusitis	1
Stomatitis	2
Strabismus	1
Syphilis	27
Thrush	1
Trichomonas vaginalis	2
Varicocele	2
Varicose veins	1
Venereal warts	4
Vincent's angina	1

OCCUPATIONS

Automobile dealer	1
Baker	1
Baker's helper	1
Barber	1
Basket factory worker	1
Bell hop	1
Bricklayer	1
Carpenter	1
Cook	3
Delivery boy	1
Expressman	1
Farmer	57
Hospital maid	1
House work	27
Janitor	2
Laborer	12
Laborer-preacher	1
Laundress	1
Laundry worker	1
Maid	5
Mechanic	1
Minister	1
Pool room boy	2
Section hand	2
Service station attendant	2
Student	15
Teacher	2
Teacher-preacher	1
Textile worker	1
Tobacco factory worker	3
Truck driver	2
Waiter	1
Waitress	1

PERSONS AND ORGANIZATIONS FROM WHOM DONATIONS WERE RECEIVED

Junior Red Cross, Wilson
Mr. L. W. Poe, Fayetteville
Mr. W. A. Lucas, Wilson
Miss Emily Guilford, Raleigh
B. P. O. E. Lodge 840, Wilson
Service Distributing Company, Wilson
Mrs. B. C. Vick, Kelford
First Baptist Church, Wilson
First Methodist Church, Wilson
St. Timothy's Episcopal Church, Wilson
First Presbyterian Church, Wilson
First Christian Church, Wilson
Home Demonstration Club, Wilson
Mrs. Oliver Rand, Wilson
Mrs. A. L. Harvey, Wilson
Mr. Robert M. Hanes, Winston-Salem.
Caromount Athletic Association, Inc., Rocky Mount
Wilson Kiwanis Club, Wilson
Tudor Florist, Wilson
Starr Florist, Wilson
Wilson Floral Company, Wilson
Avenue Gardens, Wilson
Dr. Hugh A. Ellis, Wilson
Miss Marjorie Winstead, Wilson
Miss Ruth Hales, Wilson
Mrs. H. H. Broome, Washington
Miss Mary E. Priester, Sanatorium
Mrs. P. P. McCain, Sanatorium
Mr. C. W. Phelps, E. N. C. Sanatorium
Mrs. Gordon Guy, Rocky Mount
Miss Mary Harvey Ruffin, Wilson

WESTERN NORTH CAROLINA SANATORIUM

Report for

Biennium Ending June 30, 1944

POPULATION MOVEMENT

1942-1943

	White Adults			
	Total	Men	Women	Total
1. Patients in hospital at beginning of year	293	132	161	293
Admissions during year:				
New admissions	285	132	153	285
Readmissions	50	23	27	50
Total admissions	335	155	180	335
2. Separations during year:				
Apparently arrested	11	5	6	11
Quiescent	113	48	65	113
Improved	113	48	65	113
Unimproved	51	30	21	51
Died	32	17	15	32
Not tuberculous	17	12	5	17
Total separations	337	160	177	337
3. Patients in hospital at end of year	291	129	162	291
4. Average daily population				295
5. Normal capacity				302

1943-1944

1. Patients in hospital at beginning of year	291	129	162	291
Admissions during year:				
New admissions	290	133	157	290
Readmissions	50	20	30	50
Total admissions	340	153	187	340
2. Separations during year:				
Apparently arrested	7	3	4	7
Quiescent	132	45	87	132
Improved	117	57	60	117
Unimproved	36	18	18	36
Died	26	14	12	26
Not classified	1	1		1
Not tuberculous	30	15	15	30
Total separations	349	153	196	349
3. Patients in hospital at end of year	282	126	156	282
4. Average daily population				287
5. Normal capacity				302

SUMMARY OF TWO YEARS' WORK

July 1, 1942-June 30, 1944

	1942-1943	1943-1944
Letters and postals received	8,634	11,167
Individual letters written	12,155	12,208
Articles copied (approximate number of words)	----------	3,000
Patients' histories written	289	307
Approximate number of words in patients' histories	462,200	481,300
Envelopes addressed	12,563	13,026
Enclosures sent out	974	1,068
Literature sent out	272	146
Sputum cups distributed	18,750	20,300
Tuberculin sent to physicians	1,820	1,390
X-ray films sent in for interpretation	1,635	2,015
Operations:		
Report of phrenic operations	172	183
Report of pneumolyses	3	2
Report of thoracoplasties	89	80
Bronchoscopies	112	60
Other major operations	7	5
Minor operations	32	49
Blood transfusions	5	8
Pneumothoraces	8,177	7,887

REPORT OF S. M. BITTINGER, M.D.

	1942-1943	1943-1944
Days out of office	26½	31
Addresses	2	1
Total number in audience	75	75

REPORT OF TUBERCULOSIS CLINICS—X-RAY AND FLUOROSCOPY

	1942-1943			1943-1944		
	White	Colored	Total	White	Colored	Total
Childhood type positive	5	----------	5	----------	----------	----------
Childhood type suspicious	----------	----------	----------	5	----------	5
Childhood type healed	39	41	80	23	----------	23
Adult type positive	1	----------	1	----------	----------	----------
Adult type healed	----------	1	1	----------	----------	----------
Negative	203	115	318	108	----------	108
Total	248	157	405	136	----------	136

MEDICAL REPORT

Statistical

	1942-1943	1943-1944	Total
Number of patients to be reported on (discharged)	337	349	686
Number not classified	----------	1	1
Number not tuberculous	17	30	47
Number of patients in Sanatorium July 1	291	282	573
Total number of patients treated	645	662	1,307
Hospital days	107,705	105,566	213,271

HISTORY OF HEMORRHAGE

		1942-1943	1943-1944	Total
Negative		198	225	423
Positive	Previous	117	98	215
	Previous and during residence	16	20	36
	During residence only	6	6	12

RESULT OF SPUTUM EXAMINATIONS

	1942-1943	1943-1944	Total
Negative or no sputum	114	126	240
Positive:			
On admission	42	48	90
During residence	14	35	49
On discharge	1	3	4
On admission and during residence	66	51	117
On admission and on discharge	----------	1	1
During residence and on discharge	10	10	20
On admission, during residence, and on discharge	90	75	165
Total	337	349	686

SEX, AGE, AND CIVIL CONDITION

1942-1943

Sex		Age						Civil Condition				
		9-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Widowed	Divorced	Separated
Male	158											
Female	179											
Total	337	37	118	97	48	27	10	114	196	20	3	4

1943-1944

Male	156											
Female	193											
Total	349	24	129	109	49	27	11	99	227	14	8	1

SUMMARY OF MEDICAL REPORT

July 1, 1942-June 30, 1944

	1942-1943	1943-1944	Total
Patients admitted:			
Minimal	15	17	32
Moderately advanced	116	90	206
Far advanced	173	196	369
Not tuberculous	1	7	8
Childhood tuberculosis		1	1
Not classified	30	29	59
Total	335	340	675
Patients discharged:			
Apparently arrested	11	7	18
Quiescent	113	132	245
Improved	113	117	230
Unimproved	51	36	87
Died	32	26	58
Not tuberculous	17	30	47
Not classified		1	1
Total	337	349	686

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1942-1944

Condition on Admission		1942-43		1943-44		Condition on Discharge: Apparently Arrested		Quiescent		Improved		Unimproved		Died	
						1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44
Minimal	12	A	3	A	5	1	2		1	2	2				
		B	3	B	1	1						2	1		
		C		C											
Moderately advanced	65	A	11	A	7		2	2	1	4	4	5			
		B	26	B	21	1			2	10	14	14	5	1	
		C		C											
Far advanced	82	A		A	2				2						
		B	15	B	17	1		2		6	14	5	3	1	
		C	19	C	29					1	7	14	15	4	7
Total	159		77		82	4	4	4	6	23	41	40	24	6	7
Non-tuberculous	47		17		30										
Not classified	1				1										
Extra-pulmonary															
Total	207		94		113										

	1942-43	1934-44		1942-43	1943-44		1942-43	1943-44
Total number of days	3,028	3,979	Average stay	32.2	35	Shortest stay	2	1

	1942-43	1943-44		1942-43	1943-44
Number gained weight	24	18	Number lost weight	27	31
Average gain	5.5	3.4	Average loss	4.7	5
Stationary	5	16	Not weighed	38	48

PATIENTS WHO STAYED MORE THAN NINETY DAYS

1942-1944

Condition on Admission			1942-43		1934-44	Condition on Discharge: Apparently Arrested 1942-43	Apparently Arrested 1943-44	Quiescent 1942-43	Quiescent 1943-44	Improved 1942-43	Improved 1943-44	Unimproved 1942-43	Unimproved 1943-44	Died 1942-43	Died 1943-44
Minimal	22	A	3	A	7	2	1	1	5		1				
		B	6	B	6	4	4		2	2					
		C		C											
Moderately advanced	141	A	12	A	9			8	8	3	1	1			
		B	59	B	60			44	47	11	13	3		1	
		C	1	C										1	
Far advanced	313	A		A	1				1						
		B	89	B	90			36	42	42	43	3	2	8	3
		C	70	C	63			20	19	28	19	7	10	15	15
Total	476		240		236	6	5	109	125	86	77	14	12	25	18
Non-tuberculous	2		2												
Extra-pulmonary	1		1												
Total	479		243		236										

	1942-43	1943-44		1942-43	1943-44		1942-43	1943-44
Total number of days	103,141	83,355	Average stay	424	353	Longest stay	2,053	1,705

	1942-43	1943-44		1942-43	1943-44
Number gained weight	150	168	Number lost weight	44	33
Average gain	16.9	13.9	Average loss	6.7	5.5
Stationary	11	4	Not weighed	38	31

LABORATORY REPORT

July 1, 1942-June 30, 1944

	White	Colored	Total
Sputanalyses:			
Micros	6,684	9	6,693
Chem.	811		811
Total	7,495	9	7,504
Urinalyses:			
Micros	1,579	16	1,595
Chem.	4,149	16	4,165
Total	5,728	32	4,760
Blood:			
W. B. C.	1,272	11	1,283
R. B. C.	1,405	7	1,412
Hemoglobin	1,415	7	1,422
C. I.	1,402	7	1,409
Diff.	1,269	10	1,279
Kline	828	181	1,009
N. P. N.	99		99
Blood typing	122		122
Bleeding time	1		1
Blood sedimentation index	1,219		1,219
Icterus Index	1		1
Blood sugar	27	1	28
Supra-vital stain	7		7
Blood cross matching	9		9
Culture for typhoid	1		1
Blood platlet	2		2
Malaria	3		3
Total	9,082	224	9,306
Feces	785		785
Phthalein	85		85
Gastric	5		5
Pleural fluid	198		198
B. M. R.	36	1	37
Smears	436	15	451
Cultures	581		581
Cystoscopic specimens	6		6
Bronchoscopic specimens	9		9
Vital capacity	191		191
Spinal fluid	9		9
Sulfonamide level	1		1
Abdominal fluid	1		1
Hydrocele fluid	2		2
Autopsies	7		7
Total	2,352	16	2,368
Total examinations and tests			24,938

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1942-June 30, 1944

	White		Colored		White		Colored		Total	
	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44	1942-43	1943-44
July	56	35	----------	4	210	208	2	5	268	252
August	39	75	----------	1	213	266	3	6	255	348
September	50	29	4	4	198	187	7	4	259	224
October	34	56	----------	----------	168	252	4	1	206	309
November	26	49	----------	1	161	201	3	8	190	259
December	23	25	----------	----------	139	150	5	5	167	180
January	32	49	1	5	172	179	4	8	208	241
February	32	37	----------	----------	161	182	6	2	200	221
March	38	40	4	2	175	212	3	7	216	261
April	42	50	----------	2	169	215	9	6	224	273
May	63	57	----------	6	228	257	7	20	298	340
June	40	65	2	3	203	249	4	6	249	323
Total	475	567	11	28	2,197	2,558	57	78	2,740	3,231
CLASSIFICATION										
Positive diagnosis	2	1	2	3	63	54	9	4	76	62
Negative diagnosis	301	364	6	9	1,010	1,158	21	30	1,338	1,561
Reexaminations	172	202	3	16	1,124	1,346	27	44	1,326	1,608
Total	475	567	11	28	2,197	2,558	57	78	2,740	3,231

REPORT OF X-RAY LABORATORY

July 1, 1942-June 30, 1944

	White	Colored	Total
Stereoroentgenograms of chest Sanatorium patients	384		384
Stereoroentgenograms of chest Sanatorium clinic patients	29	1	30
Stereoroentgenograms of chest children's clinics	3		3
Stereoroentgenograms of chest adult clinics	8		8
Double roentgenograms of chest Sanatorium patients	2		2
Double roentgenograms of chest children's clinics	3		3
Single roentgenograms of chest Sanatorium patients	2,592		2,592
Single roentgenograms of chest Sanatorium clinic patients	1,378	73	1,451
Single roentgenograms of chest children's clinics	209	24	233
Miscellaneous x-rays	609	2	611
Treatments	132		132
X-ray reprints	26		26
Total	5,375	100	5,475

CLASSIFICATION OF NON-TUBERCULOUS CASES

1942-1944

Bronchiectasis	10
Bronchopneumonia with empyema	1
Carcinoma	6
Chronic fibrosis of lung	3
Chronic pulmonary suppuration with extensive bilateral bronchiectasis	2
Chronic pneumonitis with bronchiectasis	3
Chronic rhinitis	1
Extra-pulmonary	1
Lung abscess	2
Pneumonitis (chronic and subacute)	10
Pneumoconiosis	1
Pregnancy	1
Probable cyst of lung	1
Silicosis	2
Spontaneous pneumothorax	2
Undetermined	1

OCCUPATIONS

1942-1944

Artist	1	Miner	4
Barber	3	Nurse (R.N. and practical)	17
Beautician	1	NYA	2
Blacksmith	2	Office work	2
Bleacher	1	Painter	4
Bookkeeper	5	Photographer	1
Bottling plant worker	1	Physician	4
Brick mason	2	Plumber	2
Butcher	1	Postal clerk	1
Carpenter	7	Pottery worker	1
Cashier	1	Printer	2
Clerk	15	Prison guard	2
Construction work	7	Court reporter	1
Drill operator	1	Road worker	2
Dry cleaner	1	Salesman	11
Electrician	1	Sand blast operator	1
Embalmer	2	Saw mill worker	5
Engineer (civil)	2	Seamstress	2
Farmer	64	Shipbuilder	2
Fireman	2	Stenographer	8
Flight instructor	1	Stone worker	5
Furniture worker	8	Steel burner	1
Guest home operator	1	Student	34
Hydro-electric inspector	1	Tanner	3
Hydro-electric operator	1	Teacher	3
Housework	155	Telephone operator	2
Junk dealer	1	Textile	107
Laboratory technician	1	Time keeper	1
Laborer	4	Tobacco worker	5
Laundry worker	2	Truck driver	11
Linen supply worker	1	Undertaker	1
Mail carrier	1	Waiter	4
Machinist	3	Well digger	1
Marine Corps	1	Welder	4
Mechanical draftsman	1	WPA	1
Mechanic	8	Watchman	1
Merchant	1	WAVE	1
Mica plant worker	3		

TUBERCULOUS COMPLICATIONS

1942-1944

Adenitis (cervical and inguinal)	3
Anal fistula	8
Atelectasis	2
Bronchial fistula	1
Bronchopulmonary fistula	1
Draining sinus	2
Empyema	3
Endobronchial tuberculosis	5
Endobronchial tuberculosis with stenosis	1
Endotracheal tuberculosis	2
Enteritis	31
Hemotypsis	12
Hydropneumothorax	31
Laryngitis	48
Meningitis	3
Miliary tuberculosis	1
Nephritis	4
Orchitis	1
Otitis media	5
Pericarditis with effusion	1
Peritonitis	8
Pharyngitis	5
Pleural fistula	1
Pleurisy with effusion	39
Pleurisy (fibrinous)	3
Pott's disease	3
Pyopneumothorax	6
Spontaneous pneumothorax	15
Tracheobronchial tuberculosis	3
Tuberculosis of bones and joints	4
Tuberculosis of tongue	1
Tuberculosis synovitis	1
Tuberculous ulceration and stenosis of bronchus	1

NON-TUBERCULOUS COMPLICATIONS

1942-1944

Abscessed teeth	1
Abscess and ulcer of heel	1
Abscess of neck	1
Acne	10
Adenoma of thyroid	6
Adentia	26
Air embolism	1
Amputation of fingers (partial)	2
Anal fissure	4
Anemia (secondary)	69
Ankylosis of spine, and joints	4
Antiflexion of uterus	3
Appendicitis (acute and chronic)	5
Arthritis	5
Asthma	2
Atelectasis	1
Atrophy of testicle	5
Avitamosis	4
Blepharitis	5
Bone fracture	1
Bronchiectasis	15
Bronchitis (chronic)	1
Carbuncle	1
Carcinoma with metastasis	12
Carious teeth	279
Cervical adenitis	3
Cervical polyp	1
Cervicitis	1
Chalazion	1
Cleft palate	1
Collitis (chronic)	1
Conjunctivitis	2
Cor pulmonale	4
Cyst of left breast	1
Cystocele	9
Deafness (partial)	44
Defective speech	1
Defective vision	10
Deformity of extremities	16
Deviated nasal septum	15
Dermatitis	3
Diabetes Mellitus	7
Diseased tonsils	61
Drug addiction	2
Eczema	1
Emphysema	1
Empyema	1
Endocervicitis	49
Enlarged axillary glands	1
Enlarged turbinates	6
Enucleated right eye	1
Epididymitis	3
Epilepsy	1
Epithelioma	1
Erosion of cervix	9
Erysipilas of face	1
Floating kidney	1
Gastric neuroses	1
Glossitis	2
Heart disease	18
Hemorrhoids	75
Hernia (inguinal)	5
Hernia (umbilical)	4
Herpes Zoster	3
Hookworm	15
Horse shoe kidney	1
Infantile uterus	2
Infantile paralysis	1

Jaundice	1
Kyphosis	1
Laceration of perineum	21
Laceration of cervix	10
Leukoplakia vaginitis (senile)	1
Lipoma	2
Little's disease	1
Lupus Erythematosis	1
Lues	21
Lung abscess	1
Malaria	1
Malnutrition	10
Measles	1
Mental defective	4
Metrorrhagia	2
Nasal obstruction	3
Neisserian pelvic cellutitis	3
Nephritis	1
Otitis media	19
Paralysis (facial)	1
Paralysis of vocal cord (traumatic)	1
Parkinson's disease	1
Pellagra	3
Pharyngitis	5
Phlebitis	1
Pneumonitis (subacute)	1
Polyneuritis	1
Polyp (oral)	1
Pregnancy	3
Prostatitis (chronic)	1
Psychosis	3
Pterygia (bilateral)	2
Ptosis of kidney	3
Pyelitis	1
Pyorrhea	170
Rectocele	13
Rectroversion of uterus	11
Rhees' poisoning	1
Rhinitis	73
Round worm infestation	4
Rupture of heart	1
Salivary calculus	1
Scabies	1
Sciatica	1
Scoliosis	10
Sebaceous cyst	2
Seborrhea	2
Silicosis	4
Sinusitis (chronic)	9
Stenosis of uterine cervix	1
Strabismus	3
Spontaneous pneumothorax	1
Tapeworm infestation	1
Thrombosis of portal vein and gangrene of small intestines	1
Ulcer of nasal septum	1
Ulcer of stomach	1
Ulcer of heel	2
Uterine fibroid	2
Varicose veins	7
Viscerophtosis	1

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Auxiliary Medical Society, Raleigh, N. C.; Eliada Home for Children, Asheville, N. C.; United Daughters of Confederacy, Pittsboro, N. C.; Tuberculosis Association, Concord, N. C.; and departments of public welfare in the following counties: Alexander, Ashe, Avery, Buncombe, Burke, Cabarrus, Caldwell, Caswell, Catawba, Cherokee, Cleveland, Davidson, Davie, Durham, Gaston, Graham, Halifax, Haywood, Henderson, Iredell, Jackson, Macon, Madison, McDowell, Mitchell, Montgomery, Nash, Orange, Rockingham, Rowan, Rutherford, Stanley, Stokes, Surry, Union, Watauga, Wilkes, Yancey, and Yadkin.

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Mr. J. L. Whitten, Gastonia, N. C.
Miss Polly Wood, Boston, Mass.
Gaston County Red Cross, Gastonia, N. C.
Dr. J. A. Marshburn, Black Mountain, N. C.
Tea & Topic Club, Black Mountain, N. C.
American Legion Auxiliary, Black Mountain, N. C.
Woman's Missionary Societies of Baptist, Presbyterian, and Episcopal Churches, Black Mountain, N. C.
Valdese Baptist Church, Valdese, N. C.
Surry County Health Department, Mt. Airy, N. C.
Rev. W. Greenwood, Black Mountain, N. C.
Bishop Thomas C. Darst, Wilmington, N. C.
Capt. Edward Bischoff, U. S. Merchant Marines, New York City
Mrs. R. C. Blean, Black Mountain, N. C.
Mrs. J. A. Rosenkranz, Los Angeles Sanatorium, Duarte, California
Mrs. G. W. Fowler, Lexington, N. C.
Dr. Louise M. Ingersoll, Asheville, N. C.
Durham County Welfare Department, Durham, N. C.
Dr. Alexis Eugene Senftner, Swannanoa, N. C.
Swannanoa High School
Mr. George B. Darling, Battle Creek, Michigan
Mrs. Annie Boyd, Black Mountain, N. C.
Mrs. A. J. Magnant, Swannanoa, N. C.
Morganton Pilot Club, Morganton, N. C.
Mr. Edwin Allison, Sylva, N. C.
Mrs. R. S. Young, Concord, N. C.
Mrs. Gennette Sims, Lexington, N. C.
Mrs. Virgil Robinson
Mr. L. G. Baughn
Mr. A. G. Gattis
Mr. and Mrs. J. E. Bagwell
Mrs. Stuart Nye
Miss Sadie Martin
Mrs. Craig Holland

BIENNIAL REPORT

of the

North Carolina Orthopedic Hospital

Gastonia, N. C.

For the Two Years Ended June 30, 1944

PERSONNEL

BOARD OF TRUSTEES

P. C. Whitlock ..... President
George Blanton ..... Chairman
Ralph S. Robinson ..... Secretary
John L. Beal ..... Treasurer

Dr. R. A. Moore — J. A. Jones
Paul R. Ervin — Herman Weil
Kay Dixon

EXECUTIVE COMMITTEE

Kay Dixon ..... Chairman
P. C. Whitlock ..... Ex-officio

Ralph S. Robinson — John L. Beal
J. A. Jones

OFFICERS

P. C. Whitlock ..... President
Ralph S. Robinson ..... Secretary
John L. Beal ..... Treasurer
Dr. W. M. Roberts ..... Chief surgeon
Miss Carrie R. Young ..... Superintendent
Miss Ellen R. Black ..... Assistant treasurer

LETTER OF TRANSMITTAL

Honorable J. Melville Broughton
Raleigh, N. C.

Dear Sir:

We have the honor of transmitting to you a report made by the superintendent, of the work of the North Carolina Orthopedic Hospital for the biennium closing June 30, 1944.

Respectfully yours,

George Blanton, *Chairman Board of Trustees*

REPORT OF SUPERINTENDENT

MR. GEORGE BLANTON,
Chairman Board of Trustees
North Carolina Orthopedic Hospital
Gastonia, North Carolina

Dear Mr. Blanton:

I submit herewith the biennial report of the North Carolina Orthopedic Hospital for the period ending June 30, 1944.

At the beginning of the period, July 1, 1942, there were 162 patients in the hospital; 705 have been admitted and the biennium closed with 162. The daily average of occupancy in 1942-43 was 156, and in 1943-44 it was 145. The average daily occupancy was cut down at the beginning of the year 1943-44 to 145 beds because of the inability to secure help. The admission ward was closed entirely and the children sent directly to the other wards on admission. We have continued to have a high rate of occupancy for the available beds and this has been made possible through a correspondence system controlling the admissions and dismissals, which is carried on by the office of the hospital directly with the families of patients and with the county welfare and health officers. The coöperation and help of these county officers cannot be too highly commended. Having no field service for either the preliminary work of locating cases and arranging for examination and transportation or the follow-up of supervising and returning the children at required intervals to the clinic, the hospital is dependent on the counties and they have rendered inestimable service. In consequence the cases are brought under care early enough to make recovery or definite improvement more promising and are supervised over the long periods—in many instances for years—necessary for orthopedic cases.

The hospital is supported entirely by public funds of the State of North Carolina and admits children of indigent parents under sixteen years of age free of charge, except for shoes, braces and tonsil operations which is either taken care of by the parents or the county from which a child is admitted. All cases are examined in one of the two clinics, one at the hospital in Gastonia, and the other at Goldsboro. If in the opinion of the surgeon, the child can be benefitted by hospitalization, the name is placed on the waiting list and it is admitted in turn. Naturally, there are cases which for one reason or another, require either immediate treatment or preference on the waiting list. Many, however, are treated in the clinic over long periods, and are not admitted to the hospital at all. The biennium closed with 92 white and 32 colored children on the waiting list.

Two clinics are carried on by this organization. One is held at the hospital in Gastonia each Tuesday afternoon at two o'clock and one is conducted at Goldsboro on the third Thursday of each month for the benefit of the children in the eastern part of the state. There was a total of 5,946 visits to the Gastonia clinic—971 of these being new cases. Total visits to the Goldsboro clinic were 2,327 with 574 new cases. At

these clinics examinations were made, x-rays taken, and old cases observed. Certain treatments and minor operations were performed, thereby lessening the number who otherwise would have required admission to the hospital. Two hundred and forty-five plaster casts were applied in the two clinics. It will be seen that there is a decrease in the total number of visits over the last biennium and a decrease in the number of new cases at both clinics.

The per capita cost for 1942-43 was $1.93 and for 1943-44 was $2.31. While these figures show an advance in cost over the previous biennium they are still much below the costs of other institutions of the kind throughout the country.

A year-round school is maintained through the regular State Department of Public Instruction. We have a principle and nine teachers. A full-time commercial teacher and a full-time music teacher have been added during the past biennium. We have also purchased four new typewriters and equipment for the commercial department. All high school students are able to participate in the commercial course, even though they are bed patients. Two teachers besides these have been added to facilitate the teaching of all grammar grade and high school subjects. The total number of books in the school library has been doubled. This has been made possible by our many friends throughout the state. We feel that the school is doing exceptional work and aids not only in training the minds of our children but also in giving proper mental and emotional background for the best possible physical improvement.

Much is done for the entertainment of the children. The "Childrens Fund" is made up from small cash contributions and used to supply treats at different times, particularly the quarterly birthday party for all the children who have had a birthday within the three months. A Boy Scout troop is sponsored by one civic group and another has been most faithful in supplying all sorts of entertainment; for example, the annual watermelon cutting, Fourth of July parties, trips to selected movies, the county fair, circus and so on. A really beautiful gift from this group was a complete set of "The World Book" (children's encyclopedia). This same group has been organized as donors of blood for transfusions and have responded generously whenever called. It is a very great help to have these men at hand and their blood typed since the children's families often live in a distant part of the state. Church groups have helped with other parties at Valentine Day and Easter; Junior Red Cross societies in connection with public schools have sent beautifully made small toys and gifts, and other generous individuals have arranged entertainment, sent candy and other things for holidays. The Oasis Shrine of Charlotte has for many years supplied the gifts and entertainment for the grand Christmas party.

The work of the WPA sewing room was discontinued during this biennium and it worked a hardship on our inadequately-staffed sewing room. This was overcome by the formation of a group of Red Cross Grey Ladies, composed of interested women of Gastonia. They have donated many hours to do simple sewing and mending. This work materially aided us because we have been unable to hire the necessary

personnel for the work. The Grey Ladies have also helped in the occupational therapy department with recreation for the children.

We are happy to report that several much-needed permanent improvements have been completed during the biennium just closed, among which was renovation of the operating room suite, including the installation of terrazzo floors on the hall, work room, dental room, scrub room, operation room and recovery room. The sterilizer room was tiled and new water sterilizers installed. This gives us a modern, convenient and easily cared for unit. Terrazzo floors were also installed in the halls of the main building and linoleum block floors in the reception room, main office, business office, school office and library. The completion of the work on the grounds has been done during the past biennium with the exception of the planting of grass on the front lawn. That ground is still in the process of improvement and we hope during this biennium it will be ready for the sewing of grass.

I wish to express to the members of the board of trustees my appreciation of their kindly counsel and of the vital interest which they have shown in all the problems of this institution.

Respectfully yours,

CARRIE R. YOUNG, *Superintendent*

TABLE NO. 1
GENERAL INFORMATION

1. Date of opening	July, 1921
2. Plant:	
Value of property:	
Real estate including buildings and equipment	$ 614,307.00
Non-structural improvements	53,354.00
Machinery and appurtenances	6,498.00
	$ 674,159.00

	Year Ending	
	June 30, 1943	June 30, 1944
3. Total acreage of property owned	43.1	43.1
Additional acreage rented		
Total acreage under cultivation during year		

4. Officers and employees: Actually in service at end of year	June 30, 1943			June 30, 1944		
	Male	Female	Total	Male	Female	Total
Superintendent		1	1		1	1
Assistant treasurer		1	1		1	1
Historian		1	1		1	1
Clerical assistant					1	1
Stenographer		½	½		½	½
Chief surgeon	1		1	1		1
Associate surgeon (position vacant)						
Resident surgeon	1		1	1		1
Physiotherapist		1	1		1	1
Laboratory technician		1	1		1	1
Night supervisor		1	1		1	1
Ward supervisors		3	3		4	4
Colored ward supervisor		1	1		1	1
Attendants		22	22		22	22
Colored attendants		8	8		8	8
Colored maids		3	3		2	2
Colored orderlies	4		4	4		4
Seamstress		1	1		1	1
Occupational therapist		1	1		1	1
Dietitian		1	1		1	1
Dietitian's assistant					1	1
Colored chef	1		1	1		1
Colored cook		1	1		1	1
Colored waiters	2		2		2	2
Colored kitchen man	1		1			
Colored kitchen girl		2	2		3	3
Colored dish washer and cleaner	1		1	1		1
Laundry manager	1		1	1		1
Colored laundry helpers	1	5	6	1	5	6
Engineer	1		1	1		1
Colored fireman	1		1	1		1
Colored laborers	2		2			
Total	17	54½	71½	12	59½	71½

TABLE NO. 2

FINANCIAL STATEMENT

	Years Ended	
	June 30, 1943	June 30, 1944
RECEIPTS		
1. Balance on hand from previous year	$	$
2. Received from appropriation (maintenance)	116,874	120,763
(Permanent improvement)		
3. Received from all other sources	2,173	4,298
4. Total receipts	$ 119,047	$ 125,061
DISBURSEMENTS		
Expenditures for maintenance:		
5. Administration	$ 7,972	$ 8,002
6. Professional care and treatment	42,098	42,830
7. Custodial care	43,144	44,469
8. Operation of plant	6,982	12,515
9. Maintenance of plant	6,253	8,758
10. Additions and betterments	* 8,418	* 580
11. Employees' war bonus	4,180	7,907
12. Total expenditures for maintenance	$ 119,047	$ 125,061
Average enrollment per month	156	146
Per capita cost per day	$ 1.93	$ 2.31

* Not included in per capita cost.

EXHIBIT "A"

Revenues and Expenditures

PERMANENT IMPROVEMENT FUND

For the two years ended June 30, 1943 and 1944

(No permanent improvement)

EXHIBIT "B"

REVENUES AND EXPENDITURES

MAINTENANCE FUND

For the two years ended June 30, 1943 and 1944

	Fiscal Year 1942-1943	Fiscal Year 1943-1944
REVENUES		
Appropriations:		
Chapter 107 of 1941	$ 118,763.00	$ 142,112.00
Institution receipts	2,173.00	4,298.00
Total revenues	$ 120,936.00	$ 146,410.00
EXPENDITURES		
Administration	$ 7,972.00	$ 8,002.00
Professional care and treatment	42,098.00	42,830.00
Custodial care	43,144.00	44,469.00
Operation of plant	6,982.00	12,515.00
Maintenance of plant	6,253.00	8,758.00
Additions and betterments	* 8,418.00	* 580.00
Employees' war bonus	4,180.00	7,907.00
	$ 119,047.00	$ 125,061.00
Balance reverted to general fund	1,889.00	21,349.00
	$ 120,936.00	$146,410.00

* Not included in per capita cost.

EXHIBIT "C"

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the two years ended June 30, 1943 and 1944

	Fiscal Year 1942-1943	Fiscal Year 1943-1944
Administration	$ 51.00	$ 55.00
Professional care and treatment	270.00	293.00
Custodial care	276.00	304.00
Operation of plant	45.00	86.00
Maintenance of plant	40.00	60.00
Employees' war bonus	27.00	54.00
Total	$ 709.00	$ 852.00
Average number of patients	156	146

APPROPRIATIONS AND ALLOTMENTS FOR 1943-1944 COMPARED WITH REQUEST FOR 1945-1947

Maintenance	Appropriated		Allotted		Requested	
	1942-1943	1943-1944	1942-1943	1943-1944	1945-1946	1946-1947
Administration	$ 7,823	$ 9,252	$ 7,972	$ 8,002	$ 11,370	$ 11,370
Professional care and treatment	41,974	48,086	42,098	42,830	62,136	63,036
Custodial care	43,285	49,346	43,144	44,469	54,900	55,900
Operation of plant	6,995	13,712	6,982	12,515	12,730	12,630
Maintenance of plant	6,398	9,698	6,253	8,758	7,369	7,335
Additions and betterments	8,456	1,589	8,418	580	----------	----------
Employees' war bonus	5,832	11,664	4,180	7,907	8,856	8,856
Additional salaries and employees' war bonus	----------	2,354	----------	----------	----------	----------
Total requirements	$ 120,763	$ 145,701	$ 119,047	$ 125,061	$ 157,361	$ 159,127
Estimated receipts	2,000	2,000	2,173	4,298	2,000	2,000
1942-43 transfer	----------	1,589	----------	----------	----------	----------
Appropriation	$ 118,763	$ 142,112	$ 116,874	$ 120,763	$ 155,361	$ 157,127
Permanent improvement	$----------	$----------	$----------	$----------	$----------	$----------

POPULATION MOVEMENT

	Year Ended													
	June 30, 1943							June 30, 1944						
	Total	White			Colored			Total	White			Colored		
		Boys	Girls	Total	Boys	Girls	Total		Boys	Girls	Total	Boys	Girls	Total
1. Patients in hospital at beginning of year	162	73	41	114	25	23	48	147	56	40	96	31	20	51
2. Admissions during year:														
New admissions	241	99	63	162	38	41	79	234	98	77	175	33	26	59
Readmissions	125	59	40	99	17	9	26	105	46	36	82	11	12	23
Total admissions	366	158	103	261	55	50	105	339	144	113	257	44	38	82
3. Total treated in hospital during year	528	231	144	375	80	73	153	486	200	153	353	75	58	133
4. Total hospital days	56,949							53,256						
5. Discharged during year:														
As improved	373	172	105	277	48	48	96	320	120	113	233	45	42	87
As unimproved	3	1	1	2		1	1	3	1	1	2	1		1
As untreated	3	2	1	3				2		1	1		1	1
Died in hospital	5	1	1	2	2	1	3	5	1	2	3	1	1	2
6. Patients in hospital at end of year	147	55	36	91	30	23	53	156	78	36	114	28	14	42
7. Children on waiting list	119	40	35	75	30	14	44	123	50	45	95	15	13	28
8. Average daily population	156							145						
9. Total capacity without crowding	160							160						

SUMMARY

	1942-1943		1943-1944	
	%	%	%	%
Percentage disease incidence:				
Arthritis:				
Non-tuberculous	5		5	
Tuberculous	7	12	14	19
Burns		2		6
Burns, contractures from		5		5
Congenital deformities		16		14
Fractures		10		2
Miscellaneous		12		13
Osteomyelitis		12		14
Paralysis:				
Infantile	10		9	
Spastic	2		10	
Other types	12	24	2	21
Scoliosis		5		6
Slipped upper femoral epiphysis		1		
Total		100		100
		Number		Number
Operations:				
Total open operations		398		325
Total manipulative operations		79		45
Total number operations		477		370
Total number anesthetics given		404		363
Total number operative mortalities		0		0
Plaster work:				
Application of plaster		743		520
Laboratory report:				
Number x-rays taken		1,039		935
Total laboratory tests made		3,502		3,795
Physiotherapy report:				
Number treatments and muscle tests		1,357		6,617
Number braces applied		15		44
Clinic report—Gastonia:				
Cases seen in clinic		2,969		2,984
New cases examined		450		592
Old cases observed		2,519		2,392
Total casts applied		74		76
Clinic report—Goldsboro:				
Cases seen in clinic		1,156		1,144
New cases examined		264		303
Old cases observed		892		841
Total casts applied		51		42